Santa Clara Valley Water District℠

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2006/2007

CAPITAL IMPROVEMENT PROGRAM

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RESOLUTION NO. 06-99

RESOLUTION OF THE BOARD OF DIRECTORS OF
THE SANTA CLARA VALLEY WATER DISTRICT ADOPTING FISCAL YEAR 2006/2007
CAPITAL IMPROVEMENT PROGRAM

WHEREAS, the District has determined that it is in its best interest to prepare a Five-Year Capital Improvement Program (CIP) and to have it reviewed by the County and jurisdictions within the Santa Clara County; and

WHEREAS, the Board of Directors of the Santa Clara Valley Water District was presented with a draft Fiscal Year 2006/07 CIP on June 6, 2006; and

WHEREAS, the CIP was transmitted to the cities and towns in Santa Clara County and to the County of Santa Clara for their review on July 19, 2006 and subsequent meetings were held with each agency thereafter; and

WHEREAS, the District received formal findings from the Cities of Morgan Hill, Campbell, and Saratoga and letters from the Cities of Santa Clara, Mountain View, Sunnyvale, Milpitas, Gilroy, San Jose, Palo Alto, Cupertino, Monte Sereno, and Los Altos and the Towns of Los Gatos and Los Altos Hills and the County of Santa Clara all indicating that the District's CIP is consistent with their General Plans; and

WHEREAS, the District did, on December 12, 2006, conduct a workshop for purposes of receiving input with regard to the revised program, and did consider the direct inclusion of appropriate changes.

NOW THEREFORE, BE IT RESOLVED THAT the Board of Directors of Santa Clara Valley Water District DOES HEREBY approve the Fiscal Year 2006/07 Capital Improvement Program.

PASSED AND ADOPTED by the Board of Directors of Santa Clara Valley Water District by the following vote on December 19, 2006.

AYES: Directors G. Zlotnick, R. Kamei, T. Estremera, J. Judge, S. Sanchez, R. Santos, L. Wilson

NOES: Directors None

ABSENT: Directors None

ABSTAIN: Directors None

ATTEST: LAUREN L. KELLER

Clerk/Board of Directors

SANTA CLARA VALLEY WATER DISTRICT

LARRY WILSON
Chair/Board of Directors

CIP CAPITAL IMPROVEMENT PROGRAM

Santa Clara Valley Water District

2006/2007
CAPITAL IMPROVEMENT PROGRAM

June 2006

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Submitted by

Stanley M. Williams
Chief Executive Officer

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OVERVIEW

With its headquarters in San Jose, California, the Santa Clara Valley Water District is the primary water resources agency for Santa Clara County. Its key products and services are wholesale treated water; flood protection; environmental stewardship; and open space and trails.

The District provides a reliable supply of clean, safe water for the more than 1.7 million residents of the county. It also works to protect residents and businesses from the devastating effects of flooding; and serves as environmental steward for the county's 700-plus miles of streams and creeks, groundwater basins and District-owned reservoirs.

The Santa Clara Valley Water District is unique in the state as an independent special district with countywide responsibility for multiple key aspects of water resources management.

OVERVIEW

INTRODUCTION

The Santa Clara Valley Water District (District) Fiscal Year 2006-07 Five-Year Capital Improvement Program (CIP) is a projection of the District's capital funding for planned capital projects from Fiscal Year 2006-07 through Fiscal Year 2010-11. The purpose of the CIP is to serve as a tool to integrate District work with the larger community by aligning District planning with other local planning efforts, and clarifying regional roles to avoid wasteful duplication of effort.

The District's CIP is developed in accordance with Government Code (GC) Section 65403 which governs the development and annual review of Capital Improvement Programs developed by special districts in the State of California. State law requires that the program be reviewed and updated annually. It also requires circulation of the document to all planning agencies having land use authority within the District prior to adoption of the program. This document is intended to provide all of the information necessary to allow planning and facility construction to meet the needs of Santa Clara County.

The CIP is prepared in accordance with the guidelines established by the Government Finance Officers Association (GFOA). The capital projects in this document exceed $50,000 in cost, have long-term life spans and are generally nonrecurring. They usually fall within one of the following six categories.

1. Acquisition of land for public purpose
2. Construction of a significant facility, i.e. a flood protection facility, a water treatment facility, or a building
3. Addition to or expansion of an existing facility
4. Nonrecurring rehabilitation or major repair to all or part of a facility provided the total cost is more than $50,000
5. Specific planning, engineering study, or design work related to an individual project which falls within the above categories
6. Significant one-time investment in tangible goods of any nature, the benefit of which will accrue over several years. Examples include items such as large initial investments or improvements in technology or the purchase of a new telephone system.

Santa Clara Valley Water District

Mission
The mission of the District is a healthy, safe, and enhanced quality of living in Santa Clara County through watershed stewardship and comprehensive management of water resources in a practical, cost-effective and environmentally sensitive manner.

Vision
Getting Cleaner, Greener and Leaner

INDUSTRY TRENDS IMPACTING CAPITAL PROGRAMS

The District's capital improvement program is facing many of the same challenges that water resource agencies throughout the state of California are experiencing. These challenges include:

Urgent Need to Upgrade or Replace Aging Infrastructure

This year, the devastating effects of Hurricanes Katrina and Rita, plus the 100th anniversary of the 1906 San Francisco earthquake, underscored the importance of effective infrastructure and infrastructure planning, from the Governor's office to smaller water districts. Growing acceptance of climate change impacts also challenge traditional assumptions about the effectiveness of existing infrastructure.

A large portion of the District's capital program is dedicated to asset management of flood protection and water utility facilities throughout the county. Flood protection capacity of existing facilities will be maintained and improved through the implementation of projects such as: capacity improvement of Calabazas Creek, upgrading Sunnyvale East and West Channels to the one percent standard, replacing bridges on Upper Guadalupe River, rehabilitation of Babb, Piedmont, and Los Coches Creeks. Asset management activities for water utility facilities include completing treatment process upgrades at the Penitencia Water Treatment Plant, inspecting and repairing raw and treated water

pipelines throughout the county, rebuilding key pumps at the Pacheco Pumping Plant and updating seismic stability studies of District dams.

Despite the need for infrastructure improvement, raising water rates to pay for them is often unpopular with rate payers. However, the Santa Clara Valley Water Commission, a key stakeholder, identified maintaining adequate reserve levels and funding infrastructure repair and replacement as key priorities for the District's Water Utility Enterprise.

Technological Advances

Customers benefit from improved water supply reliability and quality associated with advances in technology, including water efficient plumbing; advanced treatment for recycled water; ozonation; and desalination. Other technologies including cyber-security also benefit overall reliability. However, technological advances are expensive and add to the cost of providing water.

Improving the Security of Water Supply Facilities

Following September 11, 2001, water agencies across the nation began an urgent evaluation of the security of their physical facilities and their computer networks. After taking immediate steps following 9/11 to safeguard the District's ability to deliver clean, safe, reliable water to the public, the District completed a security vulnerability assessment as required by the Environmental Protection Agency. The District continues to implement system-wide upgrades to further improve security in the most cost-effective manner.

Population Growth

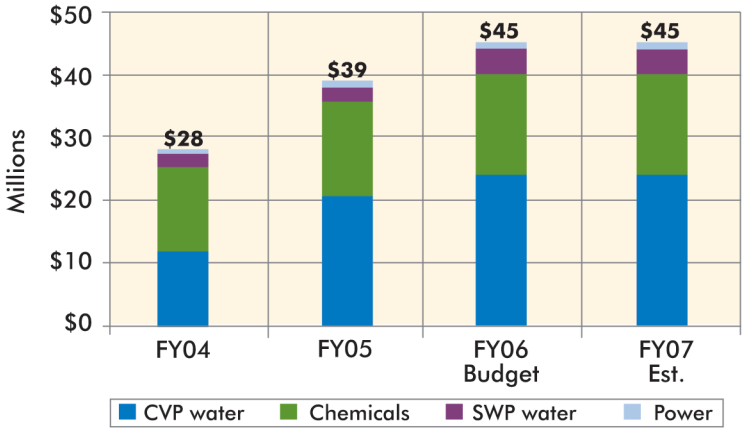
The most populous state in the nation, California is still attracting thousands of new residents every year. Regionally, the Association of Bay Area Governments (ABAG) projects that Santa Clara County's population will increase nearly 35 percent by 2030, from 1,682,585 in 2000 to 2,267,100 people in 2030. The District continues to implement new flood protection projects and build new water supply infrastructures to meet the growth of Santa Clara County.

Shortage of Technical Staff

Increasingly, across the nation and within California, a lack of qualified technical staff is challenging water agencies' ability to plan, design, operate and maintain increasingly complex water supply facilities. Agencies have adopted short-term approaches, such as trying to keep retirement-age staff on the payroll or hiring back retirees for needed expertise. These approaches are not sustainable in the longer term, and more innovative ways to increase the availability of a diverse, qualified work force must be found.

Cost and Availability of Land and Construction Materials

Santa Clara County real estate costs are some of the highest in the nation. Yet the District must acquire land for required mitigation of construction impacts from its flood protection and water supply projects. From 2004 to 2005, on average, District land acquisition costs rose 20 percent year over year, while construction costs averaged increases of 13 percent and continue to rise due to global demands for construction materials.



The District has incurred major cost increases over the past couple of years for supplies and services outside of District control. Supplier costs appear to be stabilizing between FY 2006 and FY 2007. However, over the previous three years, costs rose approximately 60 percent.

Rising Heath Insurance Premiums and Unfunded Liabilities

As with other organizations both public and private, the District continues to experience high health insurance premium rate increases that far outpace normal inflation. For Fiscal Year 2006-07, average premium rate increases are more than 10 percent for active employees. For retirees' medical coverage, premium rate increases for Fiscal Year 2006-07 range from more than 11 percent to 26 percent, depending on plan coverage. These escalating costs contribute to the District's accumulating unfunded liabilities. A comprehensive strategy is being developed to address this financial challenge, including efforts currently underway through interest-based bargaining with labor groups to minimize impacts to the District.

Diminishing Federal and State Funding

While there has been recent discussion in the state legislature for new flood subventions and related funding for some of the District's critical flood control projects, the Fiscal Year 2006-07 budget does not include any such funding at this time, given the uncertainty for passage. Unlike grants, subventions reimburse outlays made for flood protection projects. The District has advanced $32 million for projects that are due subvention reimbursements. The District continues to compete for shrinking or limited federal funding.

ALIGNMENT WITH ENDS POLICIES

The District plans, manages and carries out capital improvements to comply with the Ends Policies and Executive Limitations established by its Board of Directors. Under the District's Policy Governance Model, Ends Policies describe the outcomes or results to be achieved by District staff. Balancing the Ends Policies are the Executive Limitations, which set limits on staff activities in fulfilling the Ends.

Alignment of the CIP with Ends Policies ensures the District's long-term capital investments are planned and executed according to the Board's priorities.

Four Ends Policies directly drive the types of capital improvements described in the CIP.

- Ends Policy E-2.1 "There is a reliable supply of healthy, clean drinking water."
- Ends Policy E-2.2 "There is reduced potential for flood damages."
- Ends Policy E-3.1 "Mitigations are implemented to protect watersheds, streams, and the natural resources therein."
- Ends Policy E-3.2 "Environmental enhancements are implemented to improve watersheds, streams, and the natural resources therein."

(See "CIP Process Alignment with Ends Policies" on page I-6)

Program plans or master plans are developed to achieve the results established by the Ends Policies and to further define the goals and objectives of each Ends Policy. The Board either formally approves the plans or provides direction to staff, confirming the goals and objectives. These plans then become the basis for staff to propose and develop individual capital projects.

CIP PROCESS

The District conducts an annual CIP process to plan for capital improvements and identify the resource needs and financial constraints to implement the projects. This process complies with the Executive Limitations:

Executive Limitation EL-4.1.1., "The CEO shall not fail to produce an annual Rolling Five-Year Capital Improvement Program with the first year serving as the adopted capital budget and the remaining years in place as a projected capital funding plan."

Executive Limitation EL-4.2.1., "The CEO shall not fail to demonstrate to the Board the planned expenditures for the identified and selected capital projects in the Rolling Five-Year Capital Improvement Program do not deviate materially from the Board's priorities."

Key steps in the annual CIP process include:

- Management review and approval, to ensure staff proposed projects are aligned with Board policies
- Prioritization of all projects, including continuing and newly proposed projects, to ensure the projects in the CIP reflect Board priorities
- Financial analysis, to determine the capacity of the District's capital funding sources to fund the proposed capital projects
- Outreach to public agencies within Santa Clara County, to coordinate capital improvement work
- Board review and direction at appropriate steps, to ensure the CIP reflects Board policies and priorities
- Board adoption of the CIP following a public hearing

FISCAL YEAR 2006-07 CIP PROCESS

The District's fiscal year 2006-07 CIP process started in October 2005. The District formed a CIP Committee comprised of division/office managers, with the responsibility to initiate or manage capital projects. Priority criteria was established, refined and applied to staff proposed projects (see Appendix A). Financial analysis and some resource analysis were performed to determine which projects would move forward. The Board endorsed the priority objectives and priority criteria recommended by staff on May 22, 2006. Extensive work by the District's CIP Committee culminated in a draft CIP which was recommended to the Board in May 2006.

The recommended CIP includes 91 priority projects with identified funding sources grouped into six types of improvements. Each type of capital improvement either directly contributes to an Ends Policy or supports the District's efforts to achieve the Ends Policies.

- *Water Supply Capital Improvements*
  40 projects contributing to Ends Policy E-2.1.
- *Flood Protection Capital Improvements*
  22 projects contributing to Ends Policy E-2.2.
- *Mitigation Capital Improvements*
  9 projects contributing to Ends Policy E-3.1.
- *Environmental Enhancement Capital Improvements*
  10 projects contributing to Ends Policy E-3.2
- *Buildings and Grounds Capital Improvements*
  5 projects supporting District efforts to achieve the Ends Policies
- *Information Technology Capital Improvements*
  5 projects supporting District efforts to achieve the Ends Policies

Public review and outreach activities are planned for the summer of 2006 to coordinate the District's planned capital improvements with other public agencies in Santa Clara County. The Board will hold a public hearing and adopt the CIP after the public comments on the CIP are addressed.

Board adoption of the CIP serves as approval for all projects included in the CIP document. Following CIP adoption, staff proceeds with a planning phase for each new project. This may include feasibility studies and development of an Engineers Report and California Environmental Quality Act (CEQA) document. The Engineers Report includes preferred alternatives and recommends whether to proceed with project completion. At the end of the planning phase, the Board approves the Engineers Report and issues a determination to proceed for each individual project. Note: Some projects were approved by the Board prior to adoption of the FY 2006-07 CIP, and are identified in Appendix B.

CIP Process Alignment with Ends Policies

Ends Policy E-2.1
There is a reliable supply of healthy, clean drinking water.

→ **Program Plans or Master Plans**
- 1990 SCVWD Action Plan for reducing disinfection by-product (Board approved)
- Integrated Water Resource Plan 1999 Producer-Wholesaler Agreement for Supply of Recycled Water between SCRWA and the District (Board approved)
- 2004 South County Water Recycling Master Plan (Board accepted)
- 2005 Urban Water Management Plan (Board approved)
- 2005 Dam Safety Plan
- 2005 Water Infrastructure Reliability Plan

→ **40 - Water Supply Capital Projects**

Ends Policy E-2.2
There is a reduced potential for flood damages.

→ **Program Plans or Master Plans**
- 1986 Benefit Assessment Program (Board approved)
- 1990 Benefit Assessment Program (Board approved)
- 2000 Clean Safe Creek Program (Board approved)

→ **22 - Flood Protection Capital Projects**

Ends Policy E-3.1
Mitigations are implemented to protect watersheds, streams, and the natural resources therein.

→ **Program Plans or Master Plans**
- CEQA commitments
- Regulatory permitting commitments

→ **9 - Mitigation Capital Projects**

Ends Policy E-3.2
Environmental enhancements are implemented to improve watersheds, streams, and the natural resources therein.

→ **Program Plans or Master Plans**
- Enhancement Program per Clean Safe Creeks Program (Board approved)
- Enhancement opportunities determined appropriate by the Board
  - Fish and Aquatic Habitat Collaborative Effort
  - Natural Resource Damage Assessment
  - Other

→ **10 - Environmental Enhancement Capital Projects**

Strategic Support

→ **Program Plans or Master Plans**
- 1990 Facilities Master Plan - Site Analysis Report (Board approved)
- 2005 Needs Assessment and Plan Feasibility Study

→ **5 - Buildings and Grounds Capital Project**

Strategic Support

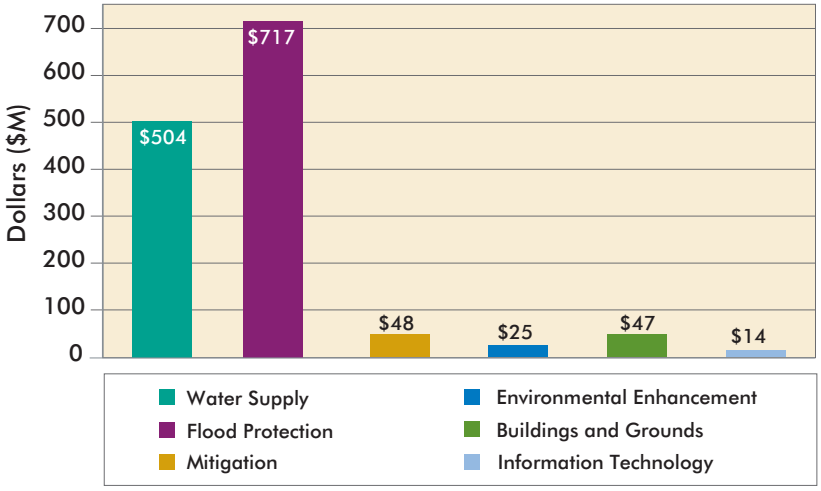
→ **Program Plans or Master Plans**
- 2001 Information System Master Plan

→ **5 - Information Technology Capital Projects**

CIP Prioritization and Financial Analyses

CIP SUMMARY

The CIP includes 91 capital projects, organized by six types of improvements, based on the alignment of capital projects with the Board's Ends Policies (as described on the previous pages). The estimated total funding required to implement the 91 projects defined in the CIP is $1.705 billion. The District has been and continues to be successful in leveraging funding for its capital projects through partnerships with federal, state, and local agencies. Of the $1.705 billion total funding, $396 million is expected from the District's various partners, such as the U.S. Army Corps of Engineers, and $1.309 billion from the District. A list of projects that are funded cooperatively with the District's partners is summarized in Appendix C.



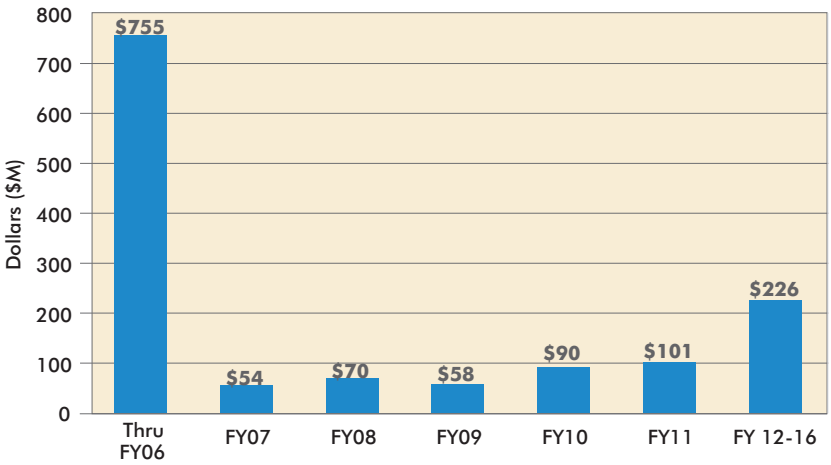
The above chart shows how the $1.354 billion to implement the 91 projects is allocated to each of the six Types of Improvements.

Funding from partners for the cooperative capital projects generally come in two ways:

- Funds that are made available by the partners when needed, or
- Funds that are reimbursed by the partners after the District advances the needed funds.

Of the $396 million that is expected from the District's partners, $45 million is advanced by the District and reimbursed later. This $45 million is included in the CIP, and increases the District's total funding requirement from $1.309 billion to $1.354 billion, to ensure that the District has adequate funding to advance the reimbursement.

Of the $1.354 billion in total funding for current and future projects, the Board has appropriated $755 million in prior years (through June 30, 2006 the end of Fiscal Year 2005-06). This year's CIP process identified additional funding needs of $599 million to complete the projects in the CIP, with $54 million allocated in Fiscal Year 2006-07 and a total of $545 million proposed for future years.



This chart shows the funding schedule for the $1.354 billion to implement the 91 projects.

OVERVIEW

The District uses various revenue sources to fund capital projects. These sources are organized into eleven funds. Nine of the eleven funds below are used to finance the projects in the CIP.

Each fund has a specific purpose, and therefore, finances related projects within the six types of improvements. A detailed Schedule of Funding Sources by Type of Improvements can be found on pages I-9 and I-10.

This chart identifies which types of improvement are associated with each of the District's nine capital funds.

District Priorities		District Funds								
Ends Policy	Type of Improvement	Water Enterprise Fund	Lower Peninsula Fund	West Valley Fund	Guadalupe Fund	Coyote Fund	Uvas/ Llagas Fund	Watershed Stream Stewardship Fund	General Fund	Clean Safe Creeks Funds
E 2.1	Water Supply	●								
E 2.2	Flood Protection		●	●	●	●	●			●
E 3.1	Mitigation	●	●	●	●	●	●	●		
E 3.2	Environmental Enhancement	●			●			●		●
Strategic Support	Buildings and Grounds	●	●	●	●	●	●		●	
Strategic Support	Information Technology	●	●	●	●	●	●		●	

CIP Funding Schedule by Type of Improvement and Funding Sources

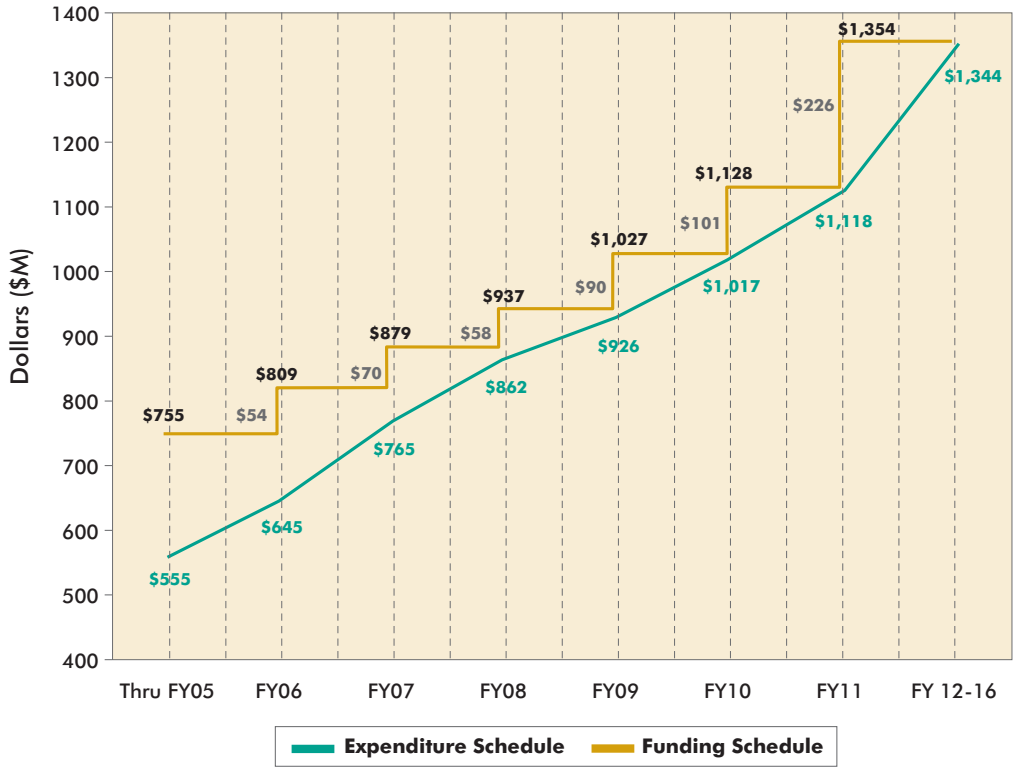
	THRU FY05	FY06	FY06 UNSPENT	FY07	FY08	FY09	FY10	FY11	FY 12-16	TOTAL
WATER SUPPLY										
Water Enterprise Fund	244,428	20,171	43,990	27,027	21,427	20,678	47,147	62,539	60,174	503,591
Water Supply Total	244,428	20,171	**43,990**	27,027	21,427	20,678	47,147	62,539	60,174	**503,591**
FLOOD PROTECTION										
Lower Peninsula Watershed Fund	60,552	1,247	6,337	1,752	3,423	731	4,891	110	84	72,790
West Valley Watershed Fund	5,196	1,373	3,064	2,956	1,932	545	156	0	0	12,158
Guadalupe Watershed Fund	179,251	9,328	2,223	1,350	2,363	758	913	0	0	193,964
Coyote Watershed Fund	105,282	438	13,385	1,053	1,147	545	5,097	4,137	12,700	130,401
Uvas/Llagas Watershed Fund	0	0	0	0	0	0	0	0	0	0
Clean, Safe Creeks and Natural Flood Protection Fund	59,247	7,097	21,615	11,023	27,079	25,089	23,366	22,827	124,861	300,589
Watershed Stream Stewardship Fund	2,255	0	2,115	0	0	1,040	3,003	720	0	7,018
Flood Protection Total	411,784	19,484	**48,739**	18,134	35,943	28,709	37,425	27,795	137,645	**716,919**
MITIGATION										
Lower Peninsula Watershed Fund	587	79	183	88	130	120	139	246	137	1,526
West Valley Watershed Fund	2,232	301	697	334	493	456	528	936	520	5,799
Guadalupe Watershed Fund	2,701	364	843	404	597	551	639	1,133	630	7,019
Coyote Watershed Fund	3,993	539	1,247	597	882	815	944	1,675	931	10,377
Uvas/Llagas Watershed Fund	2,566	357	767	599	608	478	551	960	555	6,676
Watershed Stream Stewardship Fund	4,650	445	506	1,062	837	157	95	97	141	7,484
Water Enterprise Fund	2,027	3,967	3,026	1,784	0	0	0	109	762	8,649
Mitigation Total	18,757	6,052	**7,269**	4,867	3,547	2,578	2,895	5,158	3,676	**47,529**
ENVIRONMENTAL ENHANCEMENT										
Guadlaupe Watershed Fund	934	827	129	446	194	317	0	0	0	2,718
Clean, Safe Creeks and Natural Flood Protection Fund	161	280	155	338	754	0	225	0	0	1,758
Watershed Stream Stewardship Fund	0	0	0	0	0	0	0	293	1,165	1,457
Water Enterprise Fund	1,115	368	0	580	368	3,156	191	2,738	10,554	19,070
Environmental Enhancement Total	2,210	1,475	**284**	1,364	1,316	3,473	416	3,030	11,719	**25,003**
BUILDINGS AND GROUNDS										
Lower Peninsula Watershed Fund	0	0	0	0	275	23	0	0	0	298
West Valley Watershed Fund	0	0	0	0	236	20	0	0	0	255
Guadalupe Watershed Fund	0	0	0	0	353	30	0	0	0	383
Coyote Watershed Fund	0	0	0	0	196	16	0	0	0	213
Uvas/Llagas Watershed Fund	0	0	0	0	79	7	0	0	0	85
Watershed Stream Stewardship Fund	0	0	0	0	314	26	0	0	0	340
General Fund	15,273	2,529	6,676	2,069	2,122	2,185	2,251	2,319	12,679	41,427
Water Enterprise Fund	1,236	0	102	4	2,473	207	0	0	0	3,919
Total	16,509	2,529	**6,778**	2,073	6,047	2,513	2,251	2,319	12,679	**46,920**

CIP Funding Schedule by Type of Improvement and Funding Sources (cont'd)

	THRU FY05	FY06	FY06 UNSPENT	FY07	FY08	FY09	FY10	FY11	FY 12-16	TOTAL
INFORMATION TECHNOLOGY										
Lower Peninsula Watershed Fund	742	8	136	0	45	0	0	0	0	795
West Valley Watershed Fund	742	8	136	0	45	0	0	0	0	795
Guadalupe Watershed Fund	663	7	131	0	41	0	0	0	0	711
Coyote Watershed Fund	742	8	136	0	45	0	0	0	0	795
Uvas/Llagas Watershed Fund	275	3	48	0	16	0	0	0	0	295
General Fund	2,844	40	247	900	579	0	0	0	0	4,363
Water Enterprise Fund	4,704	380	2,045	0	832	0	0	0	0	5,916
Information Technology Total	10,711	455	**2,880**	900	1,604	0	0	0	0	**13,670**
Total	704,399	50,166	**109,940**	54,365	69,885	57,951	90,134	100,841	225,892	**1,353,633**

As shown in the previous chart, CIP Schedule of Funding Sources by Type of Improvements, approximately $110 million of the already appropriated $755 million is not spent and is reappropriated to Fiscal Year 2006-07 for continued use in those same projects in amounts consistent with the project expenditure schedule for Fiscal Year 2006-07. The portion of the balances that are not reappropriated to Fiscal Year 2006-07 will remain as designated reserves for Current Authorized Projects to be reappropriated in future years in accordance with the expenditure schedule (see Appendix D). The following chart explains the relationship between the CIP Funding Schedule and Expenditure Schedule.

CIP Funding Schedule vs. CIP Expenditure Schedule



DISTRICT BACKGROUND

The mission of the Santa Clara Valley Water District is a vital one, serving a critical public need for sound management of water resources in Santa Clara County. Since 1929, when it was created by an act of the state legislature, the District has worked hard to carry out its mission on behalf of Santa Clara County residents. Over the last 77 years, the District has responded to a growing list of community concerns: a reliable, high-quality water supply; protection from flooding; and protection of environmental resources.

As the primary water resources agency for Santa Clara County, the water district encompasses all of the county's 1,300 square miles and serves the area's 15 cities, 1.7 million residents and more than 200,000 commuters. The District makes sure there is enough clean, safe water for homes and businesses; works to protect Santa Clara County residents and businesses from the devastating effects of flooding; and serves as the steward for the county's more than 700 miles of streams and creeks, underground aquifers and District-built reservoirs.

The District is the largest dual-purpose water and flood management special district in California. Its comprehensive management of surface, ground and imported water on a regional and countywide basis provides an economy of scale; consistency in wholesale pricing; service reliability; and level of environmental protection that would not be possible if its services were fragmented among several agencies.

Serving as an independent special district requires an enhanced level of outreach, engagement and collaboration with our customers, stakeholders and partners. As the District responds to varied challenges, including increased regulations; uncertainty of imported water supplies; threats to the water supply from natural catastrophes, contaminants and terrorism; and economic downturns, our Board, management and staff seek public input in finding solutions. Collaboration with the community we serve is a key District value, and we believe it results in more successful outcomes.

Community action created the District, when farmers and business representatives formed the Santa Clara Valley Water Conservation Committee in the 1920s. At that time, groundwater supplies were being overpumped, causing the land to subside, or sink. The committee pursued creation of an organization to manage and replenish groundwater supplies, and the resulting Santa Clara Valley Water Conservation District later constructed reservoirs throughout the county to conserve water. The 1929 Santa Clara Valley Water District Act gives the District its authority to operate as a state special district, with jurisdiction throughout Santa Clara County.

> The mission of the District is a healthy, safe, and enhanced quality of living in Santa Clara County through watershed stewardship and comprehensive management of water resources in a practical, cost-effective and environmentally-sensitive manner.

The current District Act, amended to include flood protection and environmental stewardship responsibilities, authorizes the District to:

"...provide comprehensive water management for all beneficial uses and protection from flooding within Santa Clara County. The district may take action to carry out all of the following purposes:

(a) to protect Santa Clara County from flood and storm waters of the district, including tidal flood waters and the flood and storm waters of streams that have their sources outside the district, but flow into the district;

(b) to protect from those flood or storm waters the public highways, life and property in the district, and the watercourses and watersheds of streams flowing within the district;

(c) to provide for the conservation and management of flood, storm, reclaimed, or recycled waters, or other waters from any sources within or outside the watershed in which the district is located for beneficial and useful purposes, including spreading, storing, retaining, and causing the waters to percolate into the soil within the district;

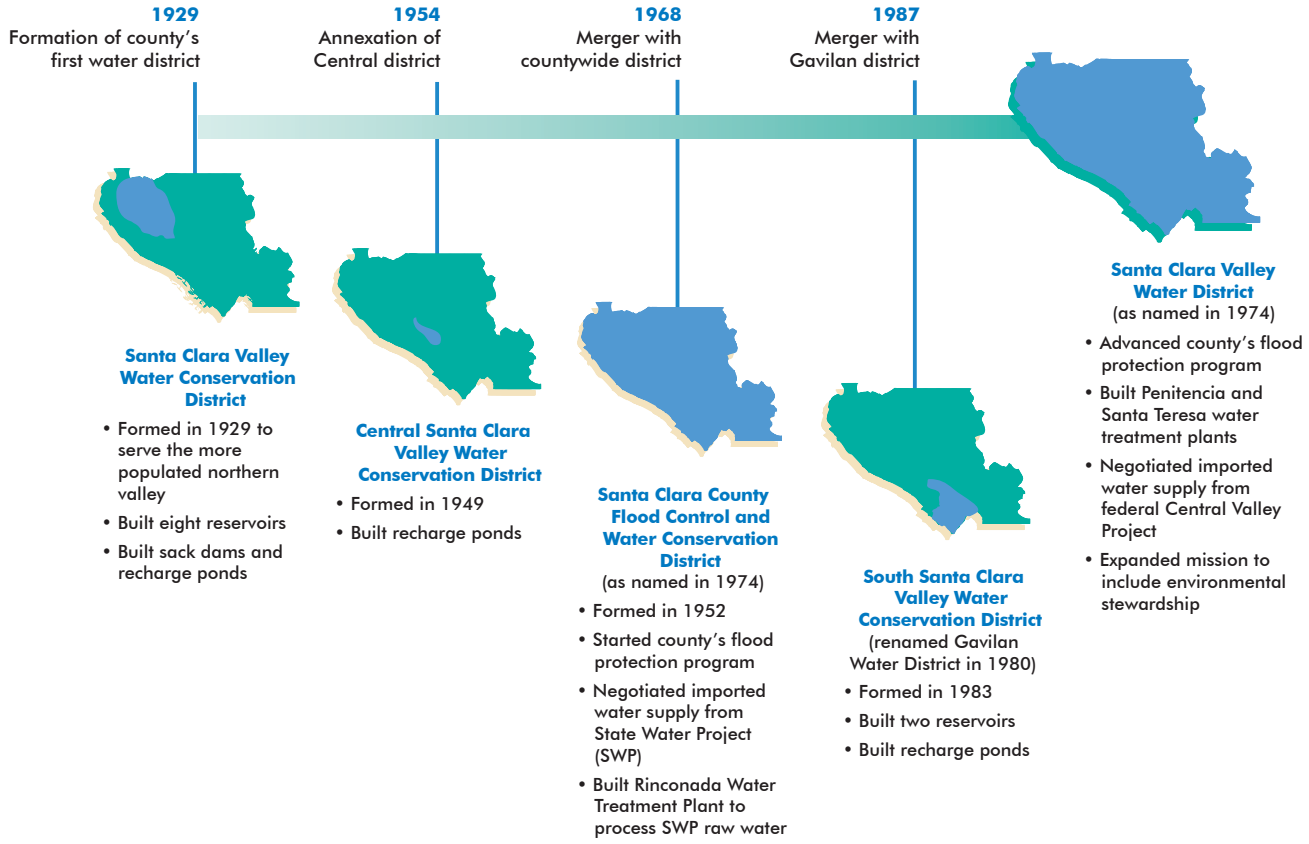
(d) to protect, save, store, recycle, distribute, transfer, exchange, manage, and conserve in any manner any of the waters;

(e) to increase, and prevent the waste or diminution of, the water supply in the district;

(f) to obtain, retain, reclaim, protect, and recycle drainage, storm, flood waters or treated wastewaters, or other waters from any sources, within or outside the watershed in which the district is located for any beneficial uses within the district;

(g) and to enhance, protect, and restore streams, riparian corridors, and natural resources in connection with carrying out the objects and purposes set forth in this section."

Evolution of the Santa Clara Valley Water District



Today's Santa Clara Valley Water District is the result of the consolidation of four agencies over time, as shown above. The District's products and services have grown along with its increased levels of responsibility for critical water resource and environmental management functions.

Governance and Board of Directors

The District Act outlines the structure, function and operations of the District's Board of Directors, which governs the District and directs the CEO. As defined by the District Act, the Board is comprised of seven members, five of whom are elected directly by voters from the county's five supervisory districts. The other two Board members are at-large, appointed by the Santa Clara County Board of Supervisors, one for the south portion of the county and one for the north portion of the county. Board members serve overlapping four-year terms. The Board annually elects a new Chair and Vice-Chair to serve each calendar year.

The Board provides leadership in policy direction via a system of Policy Governance®. Through its Ends policies, the Board establishes the District's mission and broad organizational outcomes to be achieved. The Chief Executive Officer (CEO) leads District staff in interpreting these policies and carrying out work that aligns resources with the policies to help achieve them.

The Board's Executive Limitation policies set boundaries on CEO authority in meeting the Ends policies. The CEO is solely accountable to the Board for District performance, which is monitored quarterly through reports and meetings on the CEO Workplan, the District performance scorecard and other processes. The CEO communicates Board priorities to executive leadership, management, and staff through regular meetings and through a staff newsletter.

Board members may not exercise authority individually over the District or CEO, but rather must work together and communicate priorities through policies as one unified group. The Board annually reviews and updates Ends and Executive Limitations policies to ensure they reflect the Board's collective values and perspectives.

Board directorial districts

Board advisory committees

The Board relies on nine advisory committees to serve as a link between them and the community. These committees, shown below, provide input on policy alternatives for Board deliberation, as well as review of projects, priorities and project budgets.

	Committee	Composition of committee	Purpose of committee
1.	**Agricultural Water Advisory Committee**	• Members include locally elected officials, local agency representatives and community advocates. • Comprised of two representatives from each Board District, four at-large members, two from north county and two from south county, and representatives from the Loma Prieta Resource Conservation District and the Santa Clara County Farm Bureau.	• Assists the Board with issues pertaining to agricultural water supply and use. • Provides input on policy alternatives and the implications of those policy alternatives for Board deliberation, when requested by the Board.
2.	**Environmental Advisory Committee**	• Members include locally elected officials, local agency representatives and community advocates. • Comprised of 15 at-large members.	• Produces an annual report for the Board that identifies and prioritizes restoration or enhancement opportunities. • Provides input on policy alternatives and the implications of those policy alternatives for Board deliberation, when requested by the Board.
3.	**Independent Monitoring Committee**	• Members include locally elected officials, local agency representatives and community leaders. • Comprised of 15 at-large members.	• Provides an annual review of the implementation of the Clean, Safe Creeks and Natural Flood Protection plan funded by the 2000 Measure B special tax.
4.	**Landscape Advisory Committee**	• Members represent the landscape industry in seven categories, including, local government, nurseries, educators and horticulturists, landscape contractors, irrigation designers and suppliers, and turf specialists and landscape maintenance providers. • Comprised of landscape industry representatives.	• Provides a link between the landscape industry (major water users) and the Board, and serves as a forum for communication and joint efforts in conserving water supply for the cities and Santa Clara County. • Provides input on policy alternatives and the implications of those policy alternatives for Board deliberation, when requested by the Board.
5.	**Water Commission**	• Members include locally elected officials and local agency representatives. • Comprised of two representatives from each city within Santa Clara County, and Santa Clara County.	• Assists the Board with issues pertaining to water supply and water quality, as well as policy matters that are of interest to the cities and Santa Clara County. • Carries information on District activities back to members' respective communities.

Board advisory committees continued

6.	Coyote Watershed and Flood Control Watershed Committee	• Members include locally elected officials, local agency representatives and community advocates. • Comprised of representatives of each city in the watershed, county, and unincorporated area where the area exceeds 25 percent of the watershed. No less than two and no more than four at-large members shall serve on the committee.	• Provides input on policy alternatives and the implication of those policy alternatives for Board deliberation. • Reviews project activities and makes recommendations on projects to the Board. • Reviews project priority schedules and recommends changes to the Board. • Reviews the budget and recommends changes to the Board. • Reviews and recommends to the Board alternative means of financing flood protection and stream stewardship activities. • Carries information on District activities back to members' respective communities.
7.	Guadalupe/ West Valley Watershed and Flood Control Watershed Committee		
8.	Lower Peninsula Watershed and Flood Control Advisory Committee		
9.	Uvas/Llagas Watershed and Flood Control Advisory Committee		

Throughout its history, the District has maintained a relationship with the County of Santa Clara. In 1952, county supervisors initiated the valley's first flood protection program; they later expanded their efforts to include water importation. In 1968 the District and county decided to merge their water functions, and the governing boards of both agencies agreed that county supervisors would have a role in adopting the District's annual budget. In FY 2005-06, the District and county decided to pursue legislation that would remove the county's obligation to adopt the budget, thus giving the District complete independence. That legislative effort is currently underway.

Regulatory requirements

The District operates under very strict regulatory requirements. Its work is regulated by many federal, state and local government agencies, including the California Environmental Protection Agency (CAL EPA), state Department of Health Services (DHS), state Department of Water Resources (DWR), DWR's Division of Safety of Dams (DSOD), state Department of Fish and Game, Regional Water Quality Control Boards (RWQCBs), U.S. Bureau of Reclamation (USBR), U.S. Army Corps of Engineers, federal Environmental Protection Agency (US EPA), federal Emergency Management Agency, National Marine Fisheries Service (NOAA Fisheries), U.S. Fish & Wildlife Service (USFWS), and local ordinances.

History Timeline

Throughout its 77-year history, the District has strived to serve the public with excellence, improving and expanding its products and services to meet the growing needs of Santa Clara County residents.

Early 1900s

Nearly 14,000 acres of orchards and vineyards are under irrigation in Santa Clara Valley. Local farmers begin noticing a significant drop in well water levels.

1920s

Concern over land subsidence, or sinking from overpumping the groundwater basin, leads farmers and business leaders push for the formation of the Santa Clara Valley Water Conservation Committee.

1929: The Santa Clara Valley Water Conservation District is formed by the State Legislature.

1930s

Calero, Almaden, Guadalupe, Vasona, Stevens Creek and Coyote reservoirs are completed. Recharging of the underground aquifers begins.

1931, 1937 and 1938: Floods halt transportation and inundate orchards and pasture lands.

1940s

Explosive post-war population growth.

1940-46: Major drought occurs.

Land subsidence worsens, particularly in north San Jose, due to overpumping of groundwater.

Voters pass bonds to construct two more large dams for water storage and percolation: Lexington and Anderson.

1940, 1942 and 1943: Floods occur in the midst of drought and land subsidence.

1950s

Due to increased growth, the county's water use shifts from primarily agricultural to domestic and industrial.

The South Santa Clara Valley Water Conservation District builds the Chesbro and Uvas dams to increase storage and recharge efforts.

The Central Santa Clara Valley Water Conservation District is annexed to the Santa Clara Valley Water Conservation District. Water conservation education efforts begin in earnest.

1952: The county board of supervisors forms the Santa Clara County Flood Control and Water Conservation District to protect the county from flooding and supplement local water supply with imported water.

The "Christmas Week" floods of 1955 leave thousands homeless. The Guadalupe River alone floods 8,300 acres, the worst flood on that river in recorded history.

1960s

1960: The county's population swells to 642,000.

1962: President John F. Kennedy and Gov. Edmund G. "Pat" Brown dedicate the San Luis Dam and Reservoir west of Los Baños.

1965: The state of California begins delivering water from the Sacramento-San Joaquin River Delta to Santa Clara County via the South Bay Aqueduct. Slowly, the addition of imported water to recharge efforts begins to reverse land subsidence, and by 1969 it is halted for the first time in 40 years.

Rinconada Water Treatment Plant begins drinking water treatment and distribution operations in Los Gatos.

1968: The Santa Clara Valley Water Conservation District and the Santa Clara County Flood Control and Water Conservation District merge to manage the water supply and flood programs for most of the county.

1970s

The Santa Clara Valley Flood Control and Water District changes its name to the Santa Clara Valley Water District.

Penitencia Water Treatment Plant comes on line.

1976-77: Historic drought years reduce deliveries from the State Water Project; delta water is too salty to be percolated into local aquifers, but is still used by the treatment plants.

Conservation efforts achieve a 22 percent drop in water usage.

1990s

The county's population nears 1.7 million.

The 1987-93 drought drives District efforts to seek new sources of water supply through recycled water projects, the storage of water in other regions (called water banking) and an aggressive water conservation program.

1995: Flooding in the county highlights the need for flood protection, especially on the Guadalupe River in downtown San Jose.

1997: The District completes a long-term water supply planning process, the Integrated Water Resources Plan (IWRP).

The District initiates the Water Treatment Improvement Project, a multi-year project that will upgrade all three water treatment plants to continue to meet increasingly stringent state and federal water quality standards. The upgrades include changing the primary disinfectant to ozone, increasing the treatment capacity at Rinconada Water Treatment Plant and performing seismic upgrades.

1998: Flooding occurs on San Francisquito Creek and elsewhere in the county.

Changing community priorities, a growing commitment to staff diversity, strict state and federal regulations and an evolving environmental ethic lead the District into the 21st Century.

2000-06

The District takes a lead role in the fight against MTBE contamination of surface water; the District also addresses perchlorate contamination of more than 1000 South County wells.

The District partners with local wastewater agencies countywide to increase the role of recycled water and provide greater water supply reliability.

The first phase of the Water Treatment Improvement Project is completed and the second phase begun, paving the way for higher-quality water for county residents.

2000: County voters endorse the Clean, Safe Creeks and Natural Flood Protection Plan (Measure B) and approve a special tax to ensure continuity of flood protection and stream stewardship services for 15 more years.

2002: Stream maintenance work begins for the first time under a new 10-year Stream Maintenance Permit, reflecting a new era of partnership between the District and the resource agencies. The new permit allows the District timely seasonal access to creeks, ensuring improved maintenance and environmental enhancement.

2005: The Downtown Guadalupe Flood Protection Project, a 15-year, $346 million effort to tame 10 miles of the Guadalupe River, is completed. The project will protect an estimated 95,000 people who live or work in San Jose from flooding and restore crucial fish habitat for endangered species.

2006: The District's first ozonated water is delivered from the Santa Teresa Water Treatment Plant, providing customers better-tasting, more healthful tap water. Ozonation treatment is slated to come on-line at the Penitencia treatment plant in FY 2006-07, and at the Rinconada treatment plant in 2013.

1980s

Environmental mitigation for project impacts becomes a normal part of every construction project. The District hires biologists and environmental specialists who help ensure compliance with environmental regulations.

Water quality protection is a major focus as it is discovered that underground storage tanks are leaking and potentially contaminating drinking water. The Santa Teresa Water Treatment Plant begins operation.

Severe flooding occurs in several years; voters approve funding for much-needed flood protection projects through benefit assessments.

1980: The South Santa Clara Valley Water Conservation District is renamed the Gavilan Water District

1987: South county voters approve annexing Gavilan Water District to the Santa Clara Valley Water District.

The federal Central Valley Project, San Felipe Division, begins delivery of imported water to the county from San Luis Reservoir just as the valley enters a seven-year drought period.

District core business

The District's core business serves the community by focusing on wholesale water supply, flood protection and stream stewardship, as established by Board Ends policies. This work is primarily the responsibility of the Water Utility Enterprise, for water supply; and Watershed Operations, for flood protection and stream stewardship.

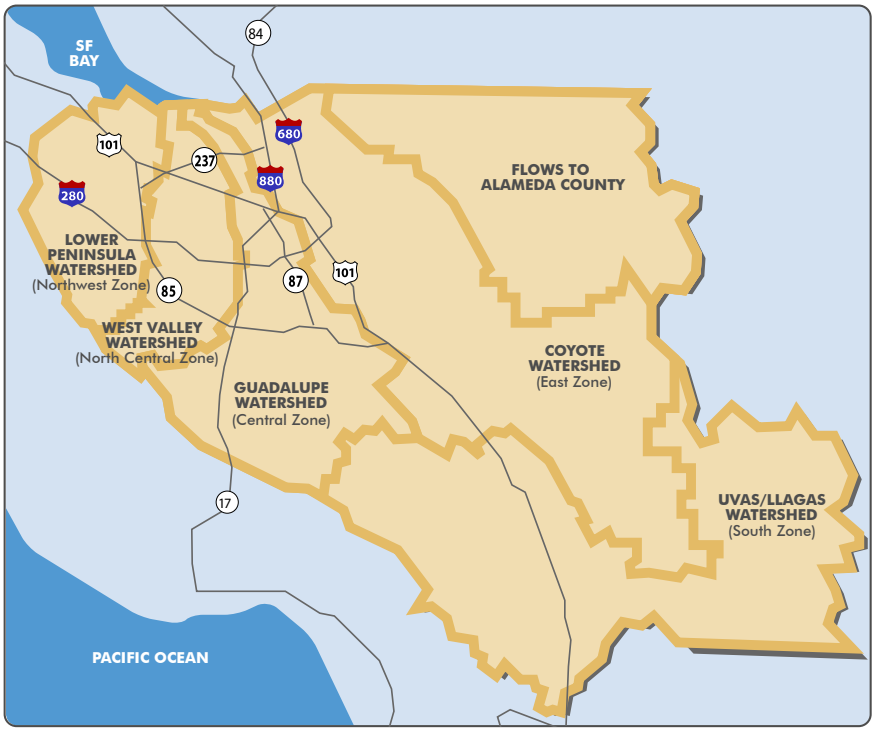
Capital Program Services and Administration are internal partners, providing key support services to the core business in fulfilling the Ends policies.

Major water utility zones of benefit in Santa Clara County

As part of the District's core water supply function, two major water utility zones form the basis for establishing District water rates. Zone W-2 encompasses the Santa Clara Valley groundwater basin north of Metcalf Road. It includes those groundwater-producing facilities that benefit from recharge with local and imported water. Zone W-5 comprises the entire Llagas groundwater basin from Metcalf Road south to the Pajaro River. Water rates are set separately for each zone, reflecting District activities carried out in each.

In May 2006, the District celebrated a milestone when ozonated water was first delivered to customers from its Santa Teresa Water Treatment Plant. A key outcome of the multi-year Water Treatment Improvement Project, ozonation treatment reduces chlorine use and provides better-tasting, more healthful drinking water. Ozonation will become operational at the Penitencia Water Treatment Plant in FY 2006-07, and at the Rinconada Water Treatment Plant in 2013.

Watershed areas and flood control zones of Santa Clara County



More than 700 miles of creeks flow through Santa Clara County. The water district works to protect both the natural attributes of these waterways and the communities that surround them as part of its watershed stewardship core function. Fifty years of working for flood protection has reduced the intensity and frequency of flooding in Santa Clara County.

In FY 2005-06, the District completed its Downtown Guadalupe Flood Protection Project. The 15-year, $346 million project will protect an estimated 95,000 people from flooding in San Jose and restore crucial fish habitat for endangered species.

WATER SUPPLY CAPITAL IMPROVEMENTS

WATER SUPPLY OVERVIEW

The District manages and operates a complex water supply infrastructure to meet the Board's Ends Policy E–2.1, "There is a reliable supply of healthy, clean drinking water." The District administers an asset management program for its existing water supply infrastructure. The program includes a schedule for maintenance and rehabilitation to ensure that each facility functions as intended over its useful life.

1930s through 1980s

During this era, the water supply capital program focused on halting ground water basin subsidence and on bringing in state and federal water to meet growing water demands in the County. The District planned, designed and built an integrated water supply infrastructure comprised of many individual facilities as described below.

Water Supply Storage Facilities

- 10 surface reservoirs
- 393 acres of recharge ponds
- 76 miles of in-stream recharge
- Ground water basins

Water Supply Transmission Facilities

- 142 miles of pipelines
- 3 pump stations

Water Supply Treatment Facilities

- 3 treatment plants

Water Supply Recycled Water Facilities

- South County Recycled Water Treatment Plant
- South County Recycled Water Distribution System

1990s through 2000s

Beginning in the early 1990s, the District embarked on new and challenging capital improvements to upgrade its three drinking water treatment plants in order to meet new Environmental Protection Agency rules for improved water quality required by 1996 amendments to the Safe Drinking Water Act. Fifteen years of effort and capital funding have brought the upgrades at Penitencia and Santa Teresa Water Treatment Plants to substantial completion. Delivery of ozonated water produced at these two treatment plants began in 2006.

During this same period, significant increases in capital improvements to rehabilitate the water supply infrastructure occurred. Capital funding for rehabilitation reached 27 percent of the total capital funding during this period, compared to 13 percent for the previous twenty-year period (1968 through 1990). Water supply capital improvement entered a new era—rehabilitation of aging water supply facilities.

Major Capital Improvements Identified in CIP

The themes of the last fifteen years continue. Major capital improvements identified in the CIP are:

To meet new water quality standards

- Rinconada Treatment Plant Improvement
- New Water Quality Laboratory

To rehabilitate aging water supply facilities

- Almaden Dam Outlet Works Modification
- Calero/Fellows Dike Improvements
- Lenihan Dam Outlet Modifications
- Central Pipeline Rehabilitation
- Pacheco Pumping Plant Adjustable Speed Drive Replacements

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to ensure that the funded water supply projects reflect the Board's priorities. The priority criteria used to evaluate these projects is included in Appendix A.

A financial analysis of the Water Enterprise Fund, the funding source for water supply capital improvements, was performed to determine if there are limitations to funding the proposed capital projects.

Results of this year's prioritization process and financial analysis are summarized in Appendix B. The process concluded that the identified water supply capital needs are larger than the revenue capacity of the Water Enterprise Fund. Consequently projects rated lower in priority are currently not funded. In addition, several projects are in the early stages of project development and only part of the total funding needs have been identified in this document. It is anticipated that funds needed to implement these projects could be significant.

The following partially funded or unfunded projects are of major concerns to meet the Board's Ends Policy E-2.1, "There is a reliable supply of healthy, clean drinking water."

Water Supply Storage Facilities – Partially Funded

- Implementation of Dam Safety Program (Dam Instrumentation project)
- San Luis Reservoir Low Point Improvement (planning phase)

Water Supply Storage Facilities – Not Funded

- Church Avenue Diversion
- South County Recharge Ponds

Water Supply Transmission Facilities – Partially Funded

- Water Infrastructure Reliability Program (program development and phase 1 implementation)

Water Supply Transmission Facilities – Not Funded

- Almaden-Calero Canal Rehabilitation

Water Supply Treatment Facilities – Not Funded

- Rinconada Waste Stream Separation

Water Supply Recycled Water Facilities – Partially Funded

- Recycled Water, South County Master Plan Implementation (immediate term)
- Recycled Water Advanced Treatment Facility (planning and design phases)

WATER SUPPLY CAPITAL IMPROVEMENTS

The following table is a project funding schedule for water supply capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the page number identified. The chart also identifies partially funded projects and estimated unspent appropriations from FY 2005-06.

Water Supply – Funded Projects

PG #	PROJECT NAME	THRU FY05	FY06	FY06 UNSPENT	FY07	FY08	FY09	FY10	FY11	FY 12-16	TOTAL
	STORAGE FACILITY										
II-7	Alamitos Diversion Dam Improvements	0	0	0	357	1,188	1,112	0	0	0	2,657
II-9	Almaden Dam Outlet Works Improvements	4,417	(1,051)	1,130	0	0	0	0	1,138	11,685	16,190
II-11	Calero/Fellows Dike Improvement	1,851	211	0	531	576	4,786	985	0	0	8,940
II-13	Coyote Diversion Dam Improvements	0	0	0	309	1,291	870	0	0	0	2,470
II-15	Dam Instrumentation	364	2,631	0	1,611	1,933	0	0	0	0	6,539
II-17	Kirk Diversion Dam Improvements	0	0	0	313	866	674	0	0	0	1,853
II-19	Lenihan Dam Outlet Modifications	7,358	1,212	0	19,776	2,237	549	0	0	0	31,132
II-21	Page Desilting System Improvements	0	0	0	0	0	437	653	0	0	1,090
II-23	San Luis Reservoir Low Point Improvement	15,142	0	4,408	0	326	1,223	0	0	0	16,691
II-25	San Tomas Well Field	11,309	135	3,208	0	0	0	0	0	0	11,444
II-27	Santa Clara Valley Recharge Ponds	0	0	0	0	637	656	6,168	9,802	3,731	20,993
II-29	Stevens Creek Diversion	0	0	0	0	0	0	0	151	0	151
	TRANSMISSION FACILITY										
II-33	Central Pipeline Rehabilitation	1,099	2,964	1,873	0	0	0	0	0	0	4,063
II-35	Pacheco Fiber Optic Cable Replacement	0	0	0	0	441	763	0	0	0	1,204
II-37	Pacheco Pumping Plant ASD Replacement	1,646	1,373	2,373	0	114	2,036	3,100	2,349	1,563	12,180
II-39	Pacheco Pumping Plant Regulating Tank Recoating	0	0	0	0	101	0	0	0	0	101
II-41	Raw Water Control System	8,046	1,235	724	3	0	0	0	0	0	9,284
II-43	San Francisco Water Department Intertie	3,333	0	0	320	0	0	0	0	0	3,653
II-45	Santa Clara Tunnel Landslide Repair	5,196	(754)	0	28	0	0	0	0	0	4,470
II-47	Water Infrastructure Reliability Program	2,163	2,033	1,983	0	0	0	0	0	0	4,196
	TREATMENT FACILITY										
II-51	Almaden Campus Water Quality Laboratory	19,084	1,914	14,854	1,882	2,088	0	0	0	0	24,968
II-53	PWTP Backup Generator Replacement	2,336	0	1,888	0	61	0	0	0	0	2,397
II-55	PWTP Backwash Pump Replacement	803	0	751	0	0	246	34	0	0	1,082

Partially funded (Funded portion shown)

FY 2005-06 Funds to be reappropriated

Water Supply - Funded Projects (cont'd)

PG #	PROJECT NAME	THRU FY05	FY06	FY06 UNSPENT	FY07	FY08	FY09	FY10	FY11	FY 12-16	TOTAL
	TREATMENT FACILITY (CONT'D)										
II-57	PWTP Chemical System Upgrade	505	0	282	0	132	1,563	156	0	0	2,356
II-59	PWTP Improvement, Stage 2	66,557	2,147	0	577	0	0	0	0	0	69,281
II-61	PWTP Maintenance Building	1,346	0	30	632	2,445	131	0	0	0	4,554
II-63	PWTP Washwater Clarification Facility	0	0	0	0	446	459	4,682	0	0	5,587
II-65	RWTP Backup Generator Modifications	1,469	0	1,304	0	93	0	0	0	0	1,562
II-67	RWTP Chemical System Upgrade	588	125	200	0	0	440	2,805	0	0	3,958
II-69	RWTP Control System Trunk Cable Upgrade	184	106	227	0	11	0	0	0	0	301
II-71	RWTP Improvement, Stage 2	14,182	0	1,658	0	2,572	2,491	27,453	49,100	43,194	138,993
II-73	STWTP Improvement, Stage 2	60,336	0	741	0	0	0	0	0	0	60,336
II-75	STWTP Incompatible Materials	2,280	0	1,175	0	0	0	0	0	0	2,280
II-77	Water Treatment Plants SCADA Security	0	0	0	412	0	0	0	0	0	412
II-79	Water Treatment Plants SCADA Upgrades	2,334	528	1,547	0	54	0	0	0	0	2,916
II-81	Water Treatment Plants Security Improvement	590	0	572	17	2,122	2,185	1,111	0	0	6,025
	RECYCLED WATER FACILITY										
II-85	Recycled Water Advanced Treatment Facility	957	2,138	2,902	0	113	0	0	0	0	3,208
II-87	Recycled Water South County Masterplan Implementation	0	3,224	0	0	0	0	0	0	0	3,224
II-89	Recycled Water South County System Improvements	8,953	0	160	0	0	0	0	0	0	8,953
II-91	Water Efficient Demonstration Garden	0	0	0	259	1,581	58	0	0	0	1,898
	Total	**244,428**	**20,171**	**43,990**	**27,027**	**21,427**	**20,678**	**47,147**	**62,539**	**60,174**	**503,591**

Partially funded (Funded portion shown)

FY 2005-06 Funds to be reappropriated

The following table shows funding requirements from each funding source for water supply capital improvements.

Water Supply - Funding Sources

FUNDING SOURCES	THRU FY05	FY06	FY06 UNSPENT	FY07	FY08	FY09	FY10	FY11	FY 12-16	TOTAL
Water Enterprise Fund	244,428	20,171	43,990	27,027	21,427	20,678	47,147	62,539	60,174	503,591
Total	**244,428**	**20,171**	**43,990**	**27,027**	**21,427**	**20,678**	**47,147**	**62,539**	**60,174**	**503,591**

FY 2005-06 Funds to be reappropriated

WATER SUPPLY CAPITAL IMPROVEMENTS

Storage Facilities

- 10 Surface Reservoirs
- 393 Acres of Recharge Ponds
- 76 Miles of In-stream Recharge
- 12 Capital Projects
- Groundwater Basins

Storage Facilities Project Pages

Project	Alamitos Diversion Dam Improvements
Program	Water Supply – Storage
Priority No.	61
Project No.	91084015
District Contact	Gary Kawaoka gkawaoka@valleywater.org

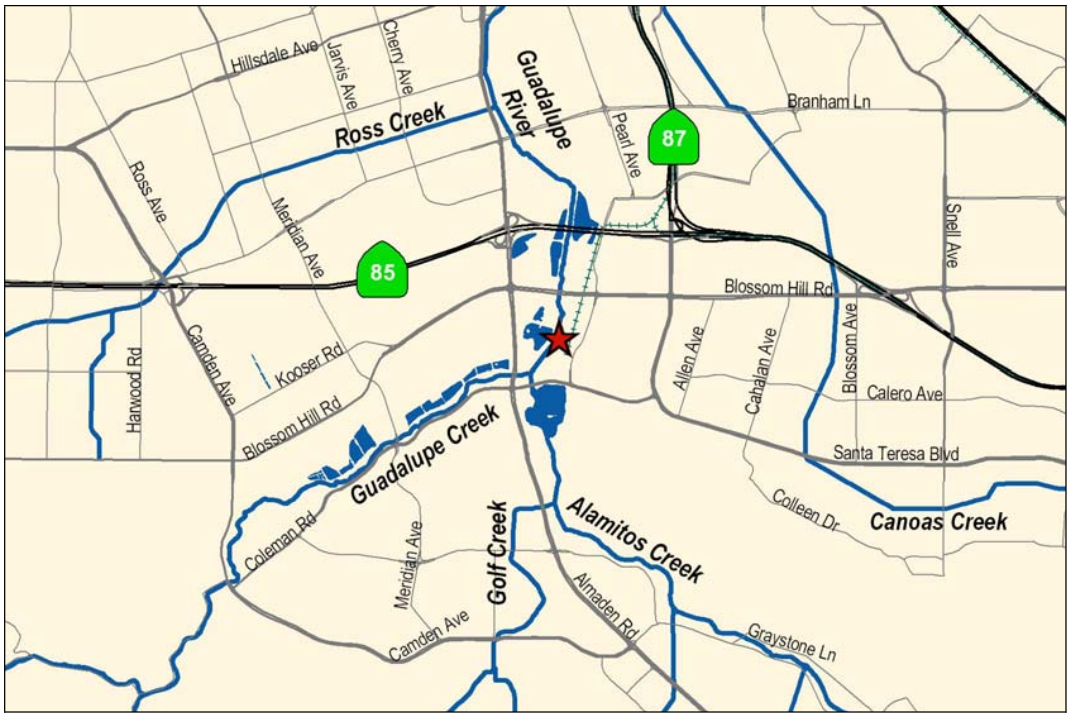
Future location of Alamitos Diversion Dam on Guadalupe River

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Alamitos Diversion Dam on the Guadalupe River, about 1,300 feet upstream of Blossom Hill Road in San Jose, to accomplish the following objectives:

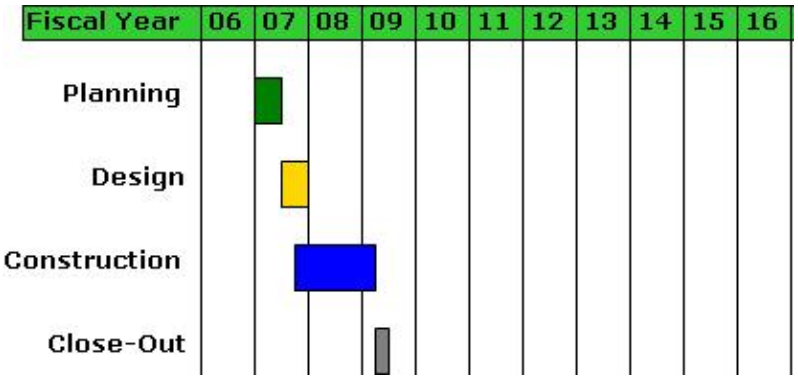
- Preserve existing water rights.
- Improve staff safety by minimizing exposure of staff to a potentially hazardous environment.
- Enhance recreational opportunities.
- Perform operations and maintenance in a more environmentally sensitive manner.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2006 to December 2008



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Alamitos Diversion Dam Improvements	0	0	268	1,196	1,018	0	0	0	2,482
with inflation	0	0	276	1,269	1,112	0	0	0	2,657

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Alamitos Diversion Dam Improvements	0	0	0	357	1,188	1,112	0	0	0	2,657

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	2,657
Other Funding Source	0
Total	2,657

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $5,000 per year.

USEFUL LIFE: 50+ Years

Project	Almaden Dam Outlet Works Improvements
Program	Water Supply – Storage
Priority No.	39
Project No.	91854001
District Contact	Gary Kawaoka gkawaoka@valleywater.org

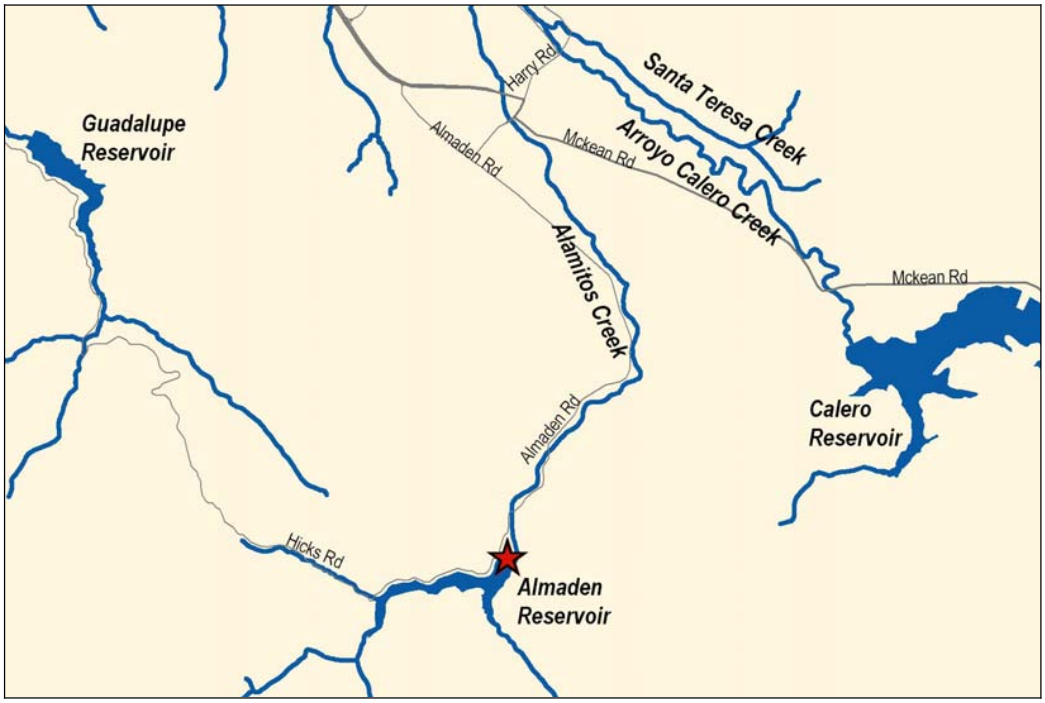
Aerial view of Almaden Dam and spillway, with a portion of the reservoir

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Almaden Dam Outlet Works to accomplish the following objectives:

- Modify or construct a new intake structure, capable of releasing 246 cfs of water without flushing of sediments though the outlet works.
- Correct existing problems with the outlet energy dissipation structure, piping and valves.

PROJECT LOCATION

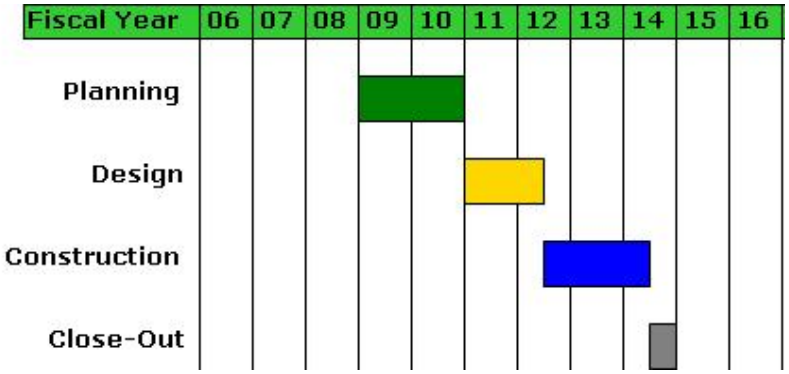


Project Location

PROJECT SCHEDULE

October 2000 to June 2014

This project is on hold and scheduled to resume work in 2008, when the seismic analysis of the dam is expected to be complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Almaden Dam Outlet Works Improvements	2,136	100	0	0	500	500	1,000	9,600	13,836
with inflation	2,136	100	0	0	546	563	1,159	11,685	16,190

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Almaden Dam Outlet Works	4,417	(1,051)	1,130	0	0	0	0	1,138	11,685	16,190

Adjusted Budget includes Adopted Budget plus approved Budget Adjustments through April 2006.
A budget adjustment in FY 2006 moved $1,051,000 of unspent prior years' appropriations due to the re-scheduling of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	16,190
Other Funding Source	0
Total	16,190

OPERATING COST IMPACTS

No operating cost impacts are anticipated from the construction of this project.

USEFUL LIFE: 50+ Years

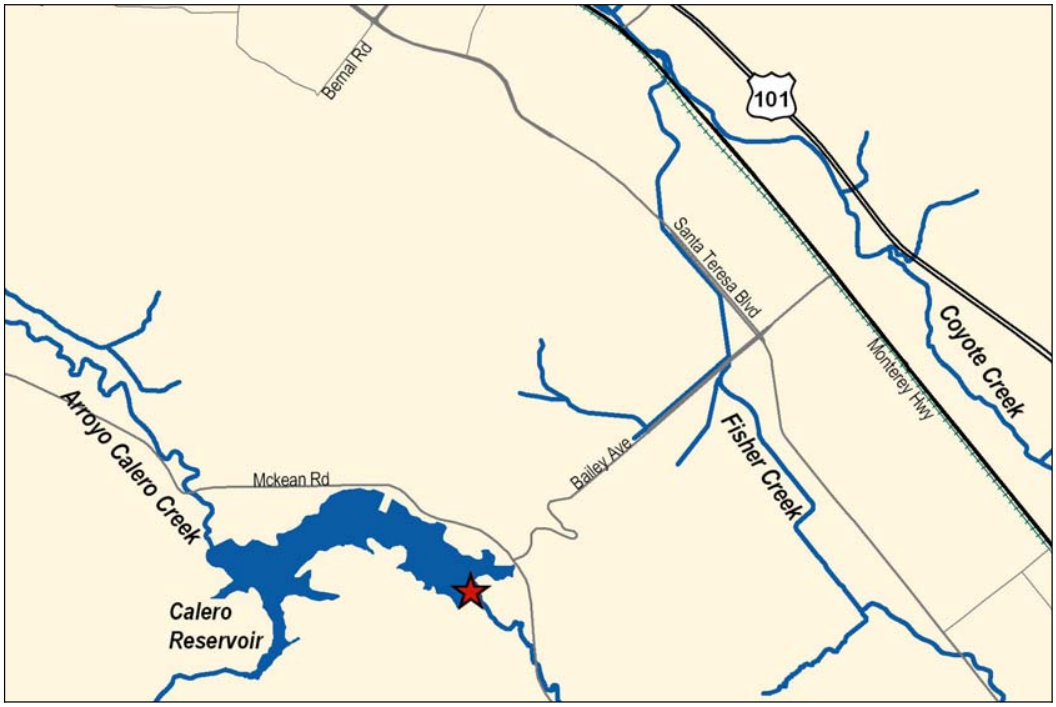
Project	Calero/Fellows Dike Improvements
Program	Water Supply – Storage
Priority No.	28
Project No.	91874003
District Contact	Gary Kawaoka gkawaoka@valleywater.org

View of Fellows Dike from Calero Reservoir. The historic Bailey-Fellows House can be seen in the background.

PROJECT DESCRIPTION

The Calero/Fellows Dike is under the jurisdiction of the Division of Safety of Dams (DSOD). Modifications are required to the dike to certify the dam and rescind the operational restriction imposed by DSOD. The project's objective is to resolve the Fellows Dike restriction in a cost-effective manner, while balancing water utility benefit and competing stakeholder interest.

PROJECT LOCATION

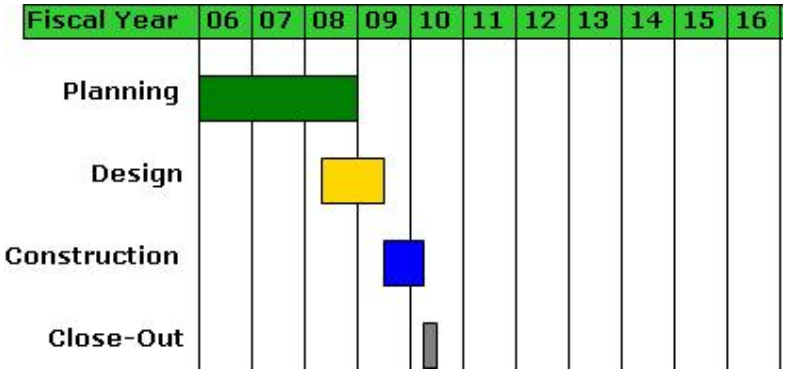


Project Location

PROJECT SCHEDULE

October 2000 to December 2009

The project schedule and funding schedule are based on one alternative which upgrades the dike to obtain DSOD certification.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Calero/Fellows Dike Improvements	1,487	575	516	543	4,380	875	0	0	8,376
with inflation	1,487	575	531	576	4,786	985	0	0	8,941

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Calero/Fellows Dike Improvements	1,851	211	0	531	576	4,786	985	0	0	8,941

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	8,941
Other Funding Source	0
Total	8,941

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $7,000 per year.

USEFUL LIFE: 50+ Years

Project	**Coyote Diversion Dam Improvements**
Program	Water Supply – Storage
Priority No.	61
Project No.	91084016
District Contact	Gary Kawaoka gkawaoka@valleywater.org

Steel Percolation Dam on Coyote Creek

PROJECT DESCRIPTION

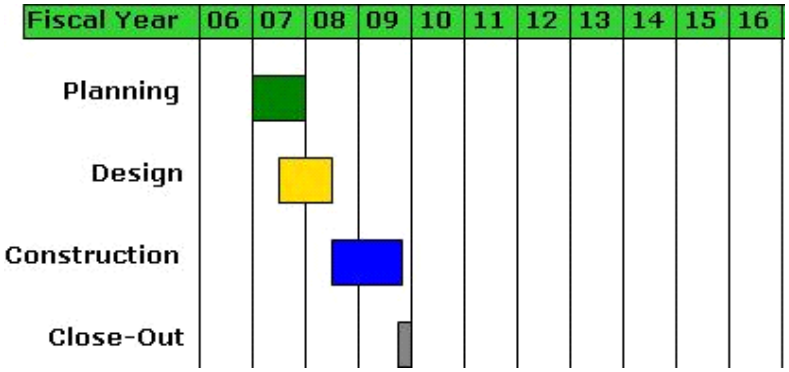
This project plans, designs, and constructs improvements to the Coyote Steel Percolation Dam located on Coyote Creek, about 2,000 feet downstream of Metcalf Road, to accomplish the following objectives:

- Preserve existing water rights.
- Improve staff safety by minimizing exposure of staff to a potentially hazardous environment.

PROJECT LOCATION

Project Location

PROJECT SCHEDULE
July 2006 to June 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Coyote Diversion Dam Improvements	0	0	300	1,217	796	0	0	0	2,313
with inflation	0	0	309	1,291	870	0	0	0	2,470

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Coyote Diversion Dam Improvements	0	0	0	309	1,291	870	0	0	0	2,470

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	2,470
Other Funding Source	0
Total	2,470

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $5,000 per year.

USEFUL LIFE: 50+ Years

Project	**Dam Instrumentation**
Program	Water Supply – Storage
Priority No.	71
Project No.	91084010
District Contact	Gary Kawaoka gkawaoka@valleywater.org

Piezometers similar to those being installed here at Lenihan Dam will be installed at the other dams

PROJECT DESCRIPTION

This project installs state-of-practice automated geotechnical instrumentation at Almaden, Anderson, Calero, Chesbro, Coyote, Guadalupe, Rinconada Treated Water Reservoir, Stevens Creek, Uvas and Vasona Dams, to accomplish the following objectives:

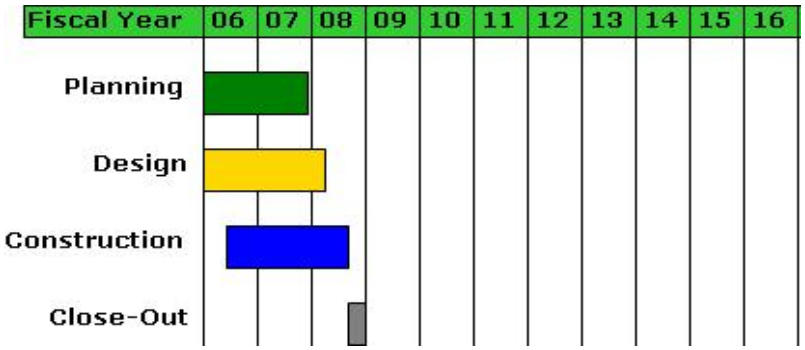
- Monitor internal movement and water pressure at the ten District's dams referenced above.
- Develop an automated data acquisition system at each dam capable of collecting, checking, recording, and archiving the collected data.
- Develop an automated system that will send an alarm notice to select personnel in the event that an instrument exceeds a pre-set threshold limit.
- Develop an instrumentation system at several of the specified dams that will capture earthquake-induced displacement and pore pressures.

This Dam Instrumentation Project is a major element of the Dam Safety Program at the District. The installed instrumentation will provide critical information to potentially identify needed capital improvements to ensure the structural integrity of the District's Dams. The scope, schedule, costs and funding sources for these potential capital improvements are not identified.

PROJECT LOCATION

Project Location

PROJECT SCHEDULE
May 2004 to June 2008



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Dam Instrumentation	102	2,893	1,564	1,822	0	0	0	0	6,381
with inflation	102	2,893	1,611	1,933	0	0	0	0	6,539

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Dam Instrumentation	364	2,631	0	1,611	1,933	0	0	0	0	6,539

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.
FY 2006 Adjusted Budget includes a budget adjustment of $2,115,000 from reserves that will be presented to the Board for discussion and approval in February or March.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	6,539
Other Funding Source	0
Total	**6,539**

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $193,000 per year.

USEFUL LIFE: 10+ Years

Project	Kirk Diversion Dam Improvements
Program	Water Supply – Storage
Priority No.	61
Project No.	91084014
District Contact	Gary Kawaoka gkawaoka@valleywater.org

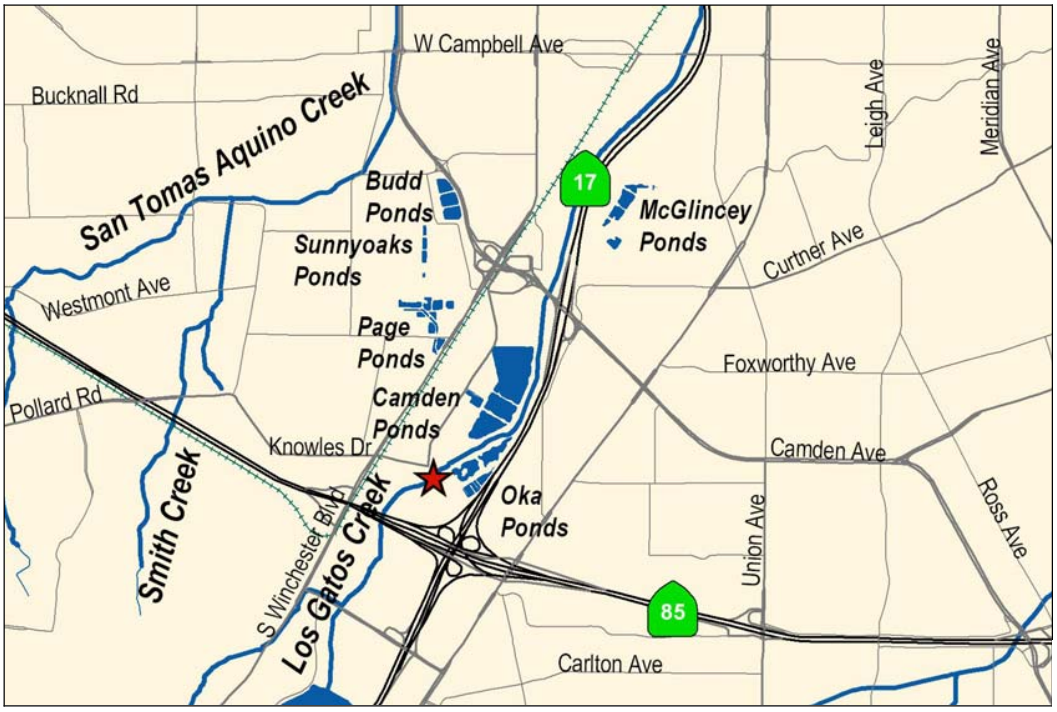
Kirk Dam on Los Gatos Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to Kirk Dam on Los Gatos Creek approximately 4,000 feet downstream of Lark Avenue, adjacent to the intersection of Knowles Drive and Dell Avenue, to accomplish the following objectives:

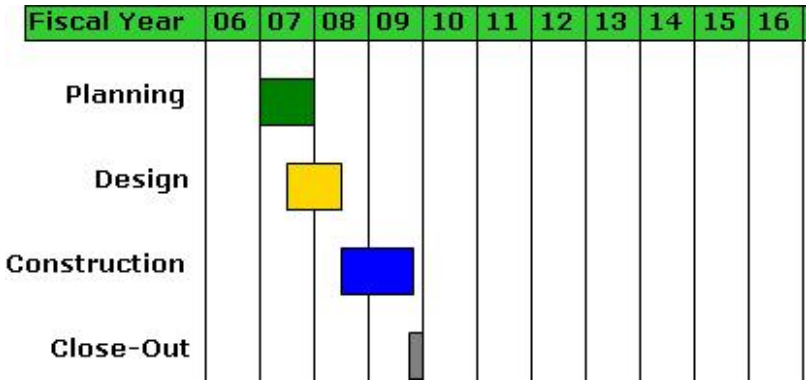
- Preserve existing water rights.
- Reduce Flood Risk. The existing flashboard system cannot be removed during storm events or emergency situations.
- Improve staff safety by minimizing exposure of staff to a potentially hazardous environment.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2006 to June 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Kirk Diversion Dam Improvements	0	0	304	816	617	0	0	0	1,737
with inflation	0	0	313	866	674	0	0	0	1,853

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Kirk Diversion Dam Improvements	0	0	0	313	866	674	0	0	0	1,853

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	1,853
Other Funding Source	0
Total	1,853

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $5,000 per year.

USEFUL LIFE: 50+ Years

Project	**Lenihan Dam Outlet Modifications**
Program	Water Supply – Storage
Priority No.	68
Project No.	91904005
District Contact	Gary Kawaoka gkawaoka@valleywater.org

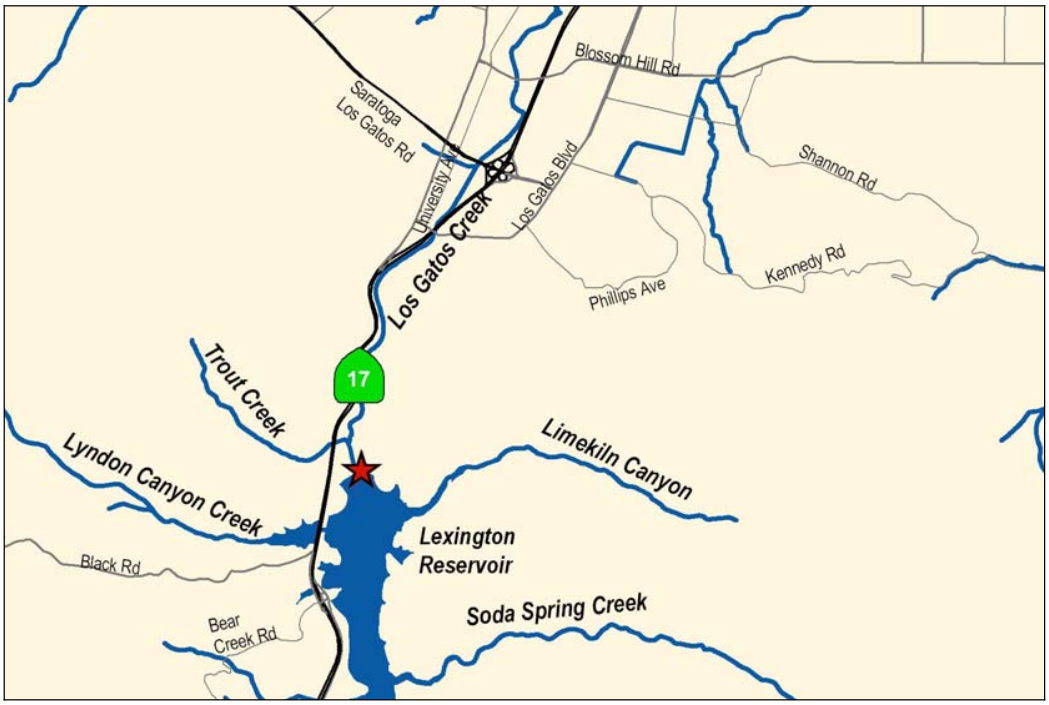
Lexington Reservoir with the Lenihan Dam Outlet structure in the foreground

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at the Lenihan Dam Outlet to accomplish the following objectives:

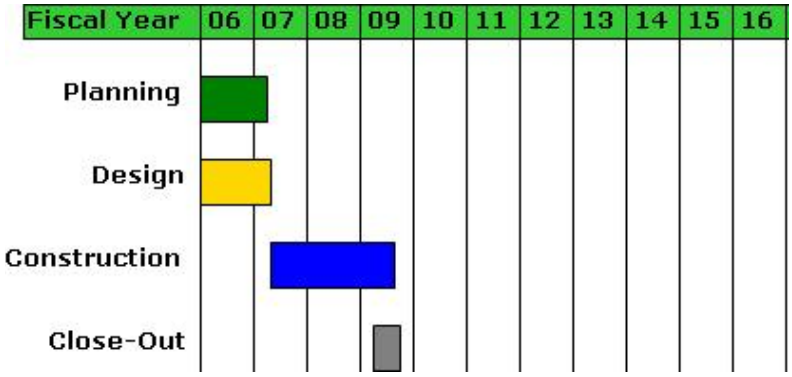
- Develop and implement a solution to the outlet pipe collapse problems so the reservoir can safely impound water to any reservoir elevation.
- Rescind the existing Division of Safety of Dams restrictions that limit outlet release flows to 70 cfs.
- Identify a project solution that provides for long-term operation of the outlet works, in the range of 50 years, without requiring significant maintenance.
- Provide solution to allow for routine inspections, while releasing flows to maintain creek habitat.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
October 2000 to March 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Lenihan Dam Outlet Modifications	3,888	4,682	19,200	2,109	502	0	0	0	30,381
with inflation	3,888	4,682	19,776	2,237	549	0	0	0	31,132

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Lenihan Dam Outlet Modifications	7,358	1,212	0	19,776	2,237	549	0	0	0	31,132

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	31,132
Other Funding Source	0
Total	31,132

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 50+ Years

Project	**Page Desilting System Improvements**
Program	Water Supply – Storage
Priority No.	37
Project No.	91C40194
District Contact	Gary Kawaoka gkawaoka@valleywater.org

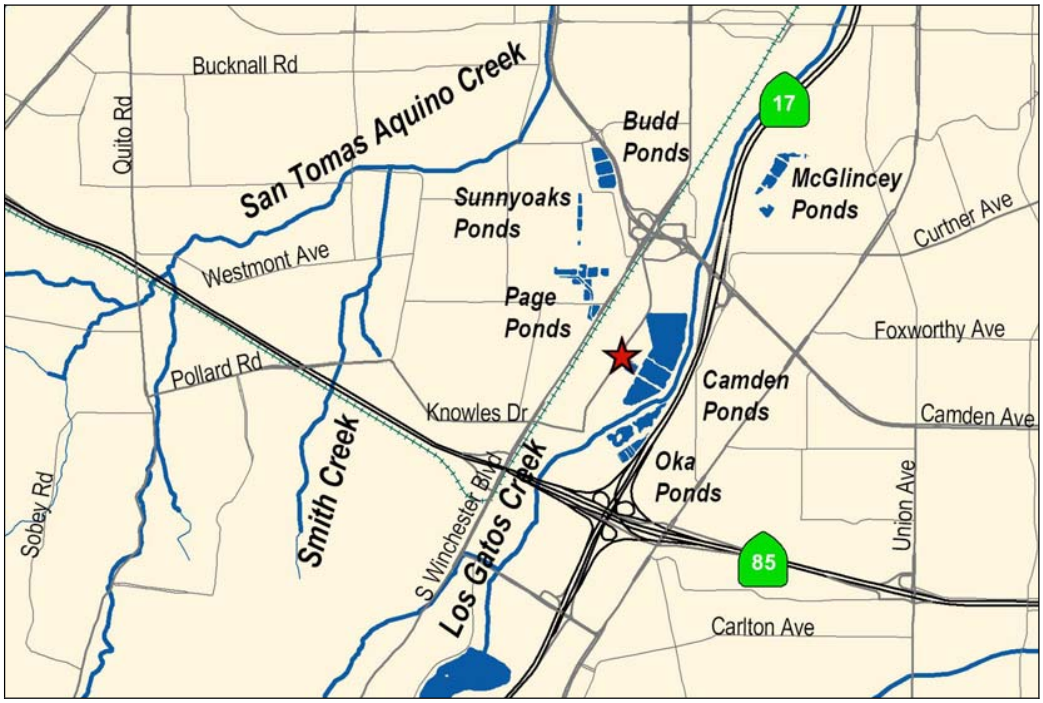
Page Desilting System Weir, adjacent to the Camden Avenue Recharge Ponds

PROJECT DESCRIPTION

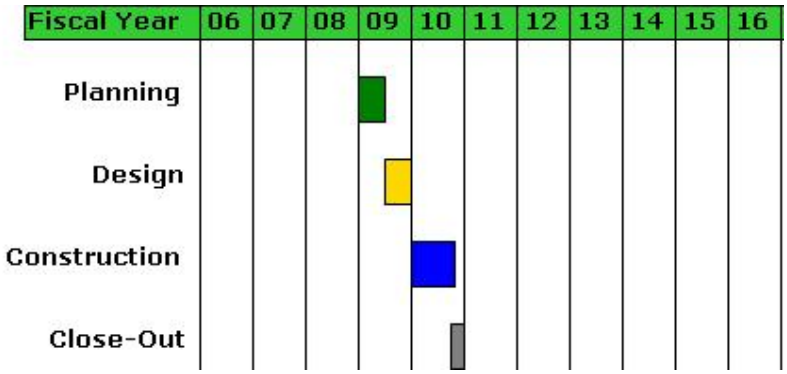
This project plans, designs, and constructs improvements to the Page Desilting System, adjacent to the Camden Avenue Recharge Ponds, to accomplish the following objectives:

- Modify existing weirs to increase the discharge capacity from 25 cfs to 36 cfs. to increase annual yield by 300 acre-feet per year.
- Lower the operating levels of the detention basin to 6 inches below the current level, if possible.
- Increase the District's capacity to exercise water rights.
- Reduce operating risks.

PROJECT LOCATION



PROJECT SCHEDULE
July 2008 to June 2010



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Page Desilting System Improvements	0	0	0	0	400	580	0	0	980
with inflation	0	0	0	0	437	653	0	0	1,090

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Page Desilting System Improvements	0	0	0	0	0	437	653	0	0	1,090

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	1,090
Other Funding Source	0
Total	1,090

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 50+ Years

Project	**San Luis Reservoir Low Point Improvement**
Program	Water Supply – Storage
Priority No.	75
Project No.	91214007
District Contact	Keith Whitman kwhitman@valleywater.org

San Luis Reservoir

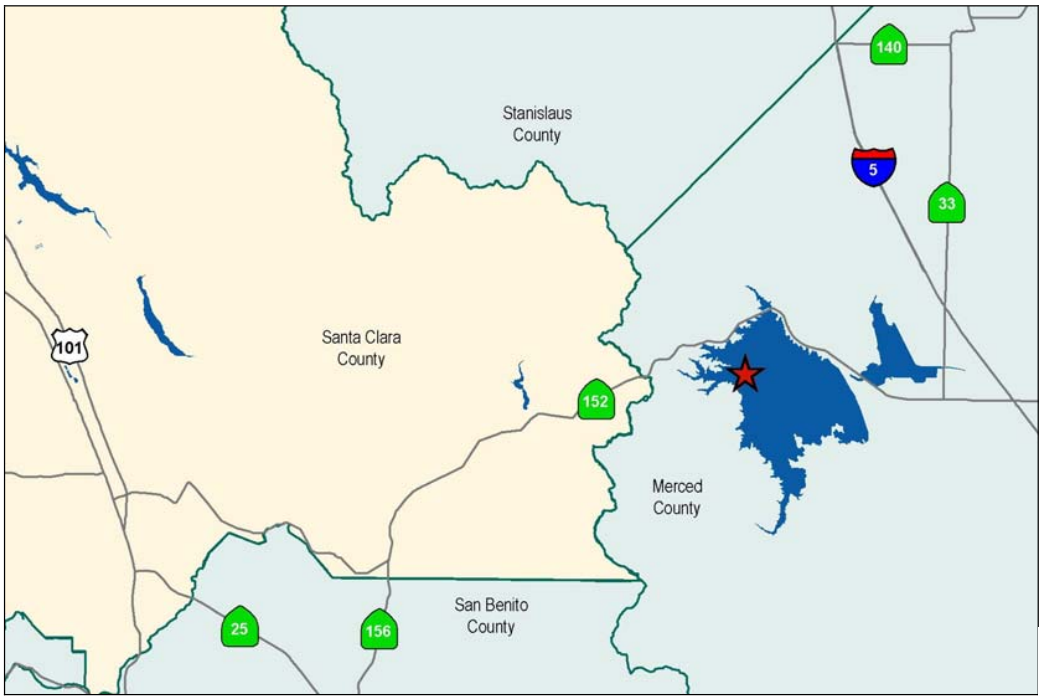
PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at the San Luis Reservoir to accomplish the following objectives:

- Increase the operational flexibility of San Luis Reservoir by increasing the effective storage.
- Ensure that San Felipe Division contractors are able to manage their annual Central Valley Project contract allocation to meet their water supply and water quality commitments.
- Provide opportunities for project-related environmental improvements.

The project is currently funded for the planning phase only. The scope, schedule, costs and funding sources for design and construction phases will be determined at the completion of the planning phase.

PROJECT LOCATION

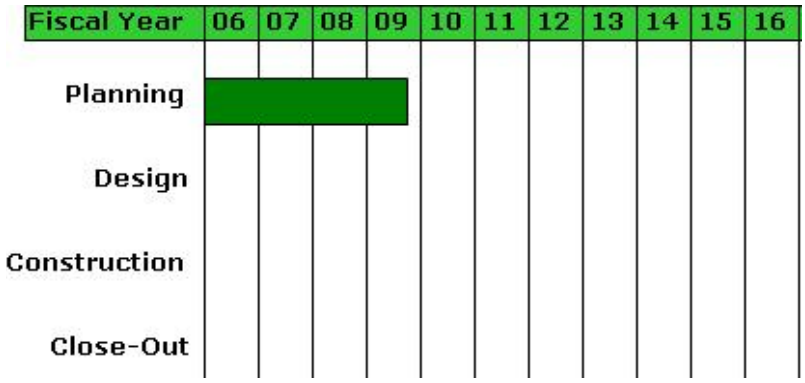


Project Location

PROJECT SCHEDULE

July 2001 to March 2009

(Planning Phase Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
San Luis Reservoir Low Point Improvement	10,226	508	2,264	2,264	1,119	0	0	0	16,381
with inflation	10,226	508	2,332	2,402	1,223	0	0	0	16,691

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
San Luis Reservoir Low Point Improvement	15,142	0	4,408	0	326	1,223	0	0	0	16,691

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,606
Department of Water Resources	14,039
U.S. Bureau of Reclamation	46
Total	16,691
U.S. Bureau of Reclamation cost share federal feasibility report	2,000

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: Not Available

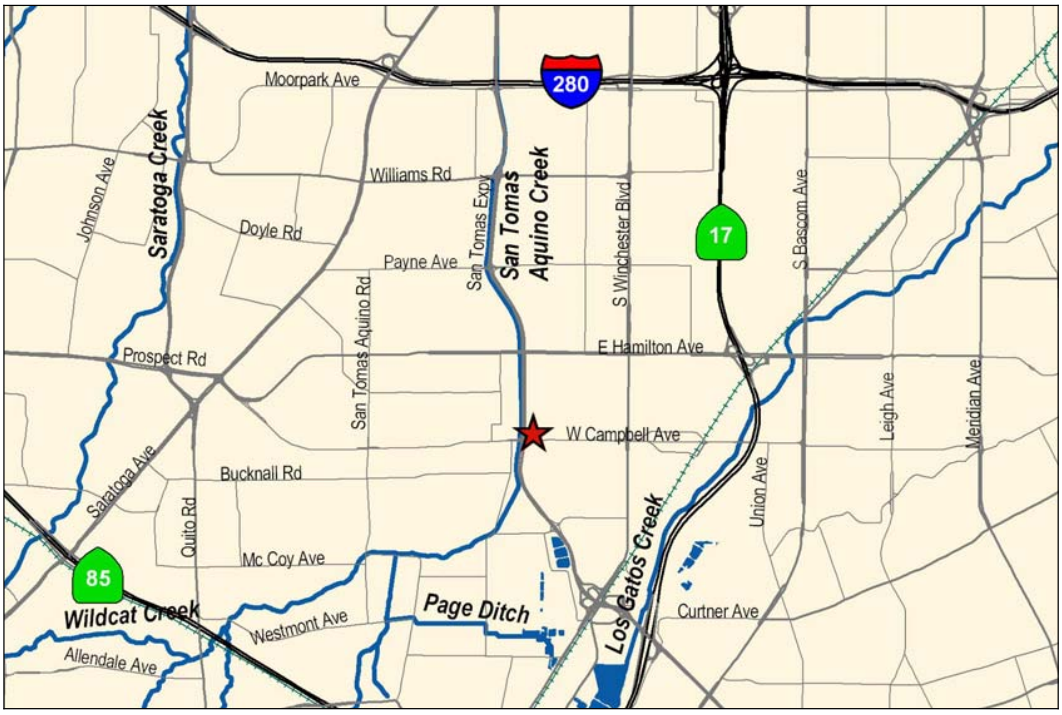
Project	San Tomas Well Field
Program	Water Supply – Storage
Priority No.	41
Project No.	91124001
District Contact	Keith Whitman kwhitman@valleywater.org

Typical groundwater extraction well at San Tomas Well Field

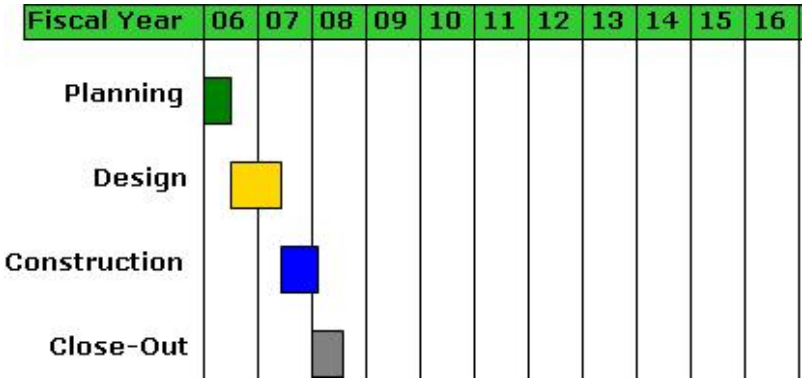
PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at the San Tomas Well Field in the City of Campbell to enhance water supply management by preserving and improving groundwater extraction capacity.

PROJECT LOCATION



PROJECT SCHEDULE
March 2003 to January 2008



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
San Tomas Well Field	5,591	2,645	2,825	71	0	0	0	0	11,132
with inflation	5,591	2,645	2,910	75	0	0	0	0	11,221

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
San Tomas Well Field	11,309	135	3,208	0	0	0	0	0	0	11,444

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.
The total planned expenditure is $223,000 less than the available project funding. The unspent budget will be returned to reserves at the end of the project.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	6,944
City of Campbell Redevelopment Agency	4,500
Total	11,444

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $150,000 per year.

USEFUL LIFE: 15+ Years

Project	Santa Clara Valley Recharge Ponds
Program	Water Supply – Storage
Priority No.	33
Project No.	91C40201
District Contact	Gary Kawaoka gkawaoka@valleywater.org

This project constructs recharge facilities similar to this existing recharge pond in North County.

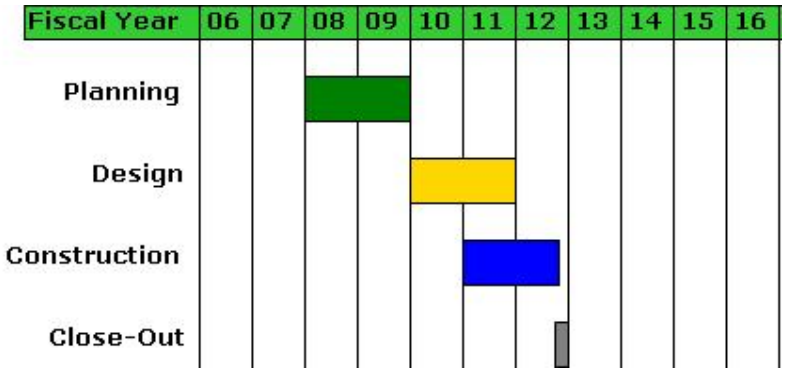
PROJECT DESCRIPTION

This project plans, designs, and constructs groundwater recharge facilities in northern Santa Clara County to recharge an additional 3,900 acre feet per year into the groundwater basin.

PROJECT LOCATION

Sites for future recharge ponds have not been identified

PROJECT SCHEDULE
July 2007 to June 2012



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Santa Clara Valley Recharge Ponds	0	0	0	600	600	5,480	8,455	3,125	18,260
with inflation	0	0	0	637	656	6,168	9,802	3,731	20,993

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Santa Clara Valley Recharge Ponds	0	0	0	0	637	656	6,168	9,802	3,731	20,993

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	20,993
Other Funding Source	0
Total	20,993

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $25,000 per year.

USEFUL LIFE: 50+ Years

Project	**Stevens Creek Diversion**
Program	Water Supply – Storage
Priority No.	40
Project No.	92C40215
District Contact	Gary Kawaoka gkawaoka@valleywater.org

Stevens Creek at Stevens Creek Boulevard, where Stevens Creek Pipeline outfall is located

PROJECT DESCRIPTION

This project investigates alternatives for increasing groundwater recharge from the Stevens Creek Reservoir system, including the conveyance of water from Stevens Creek to other recharge facilities, to accomplish the following objectives:

- Increase local supply of water from Stevens Creek
- Increase the District's capacity to exercise water rights
- Meet critical dry period water supply shortage in Santa Clara County

The project is currently funded for the planning phase only. The scope, schedule, costs and funding sources for design and construction phases will be determined at the completion of the planning phase.

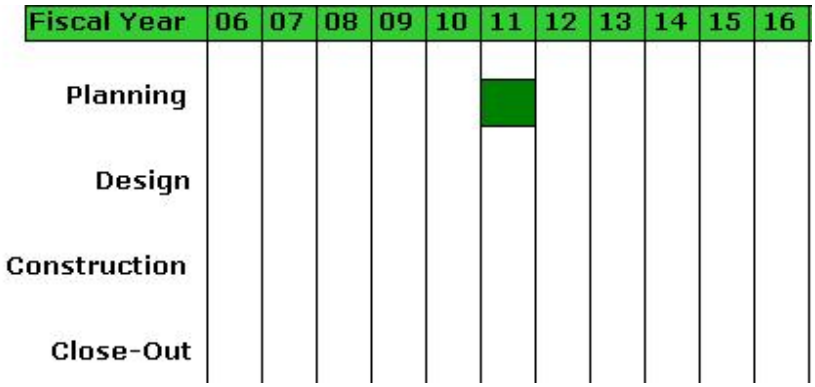
PROJECT LOCATION

Project Location

PROJECT SCHEDULE

July 2010 to June 2011

(Alternatives Analysis Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Stevens Creek Diversion	0	0	0	0	0	0	130	0	130
with inflation	0	0	0	0	0	0	151	0	151

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY11	FY09	FY10	FY11	Future	
Stevens Creek Diversion	0	0	0	0	0	0	0	151	0	151

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	151
Other Funding Source	0
Total	151

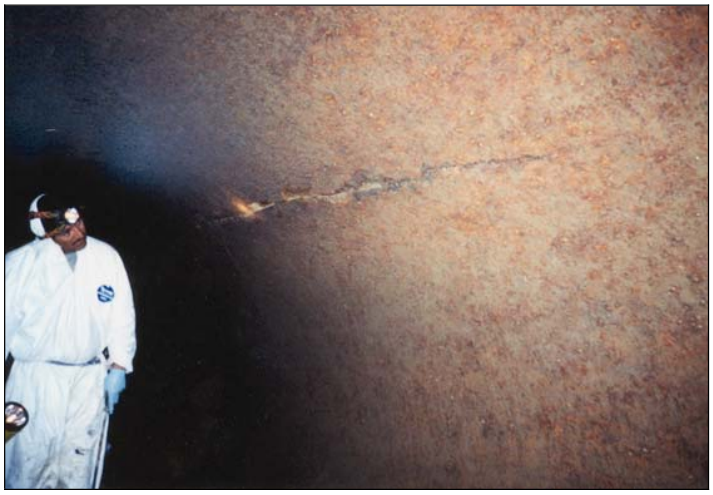
OPERATING COST IMPACTS

Alternatives Analysis Only: No operating cost impacts are expected from the completion of this phase of the project.

USEFUL LIFE: 50+ Years

Transmission Facilities Project Pages

Project	**Central Pipeline Rehabilitation**
Program	Water Supply – Transmission
Priority No.	35
Project No.	92254083
District Contact	Gary Kawaoka gkawaoka@valleywater.org



Internal axial crack on the Central Pipeline – a sign of potential pipeline corrosion.

PROJECT DESCRIPTION

This project plans, designs and constructs improvements at Central Pipeline to accomplish the following objectives:

- Complete an in-depth investigation of the pipeline, to assess the integrity of prestressed concrete cylinder pipe and risk of failure.
- Develop recommendations on a long-term monitoring program and near-term repairs if needed.
- Implement the near-term repairs.

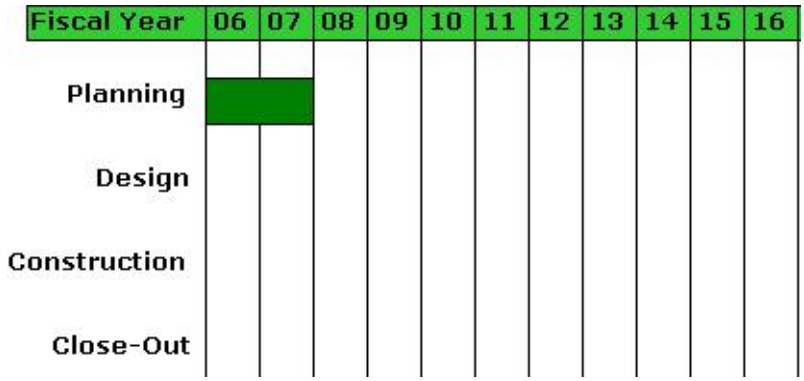
This project is currently funded for the planning phase only. The scope, schedule, costs and funding sources to implement the recommended repairs will be determined at the completion of the planning phase.

PROJECT LOCATION

PROJECT SCHEDULE

August 2003 to June 2007

(Planning Phase Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Central Pipeline Rehabilitation	690	1,500	800	0	0	0	0	0	2,990
with inflation	690	1,500	824	0	0	0	0	0	3,014

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Central Pipeline Rehabilitation	1,099	2,964	1,873	0	0	0	0	0	0	4,063

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.
The total planned expenditure is $1,049,000 less than the available project funding. The unspent budget will be used for implementation of the recommended repairs.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	4,063
Other Funding Source	0
Total	4,063

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: Not Available

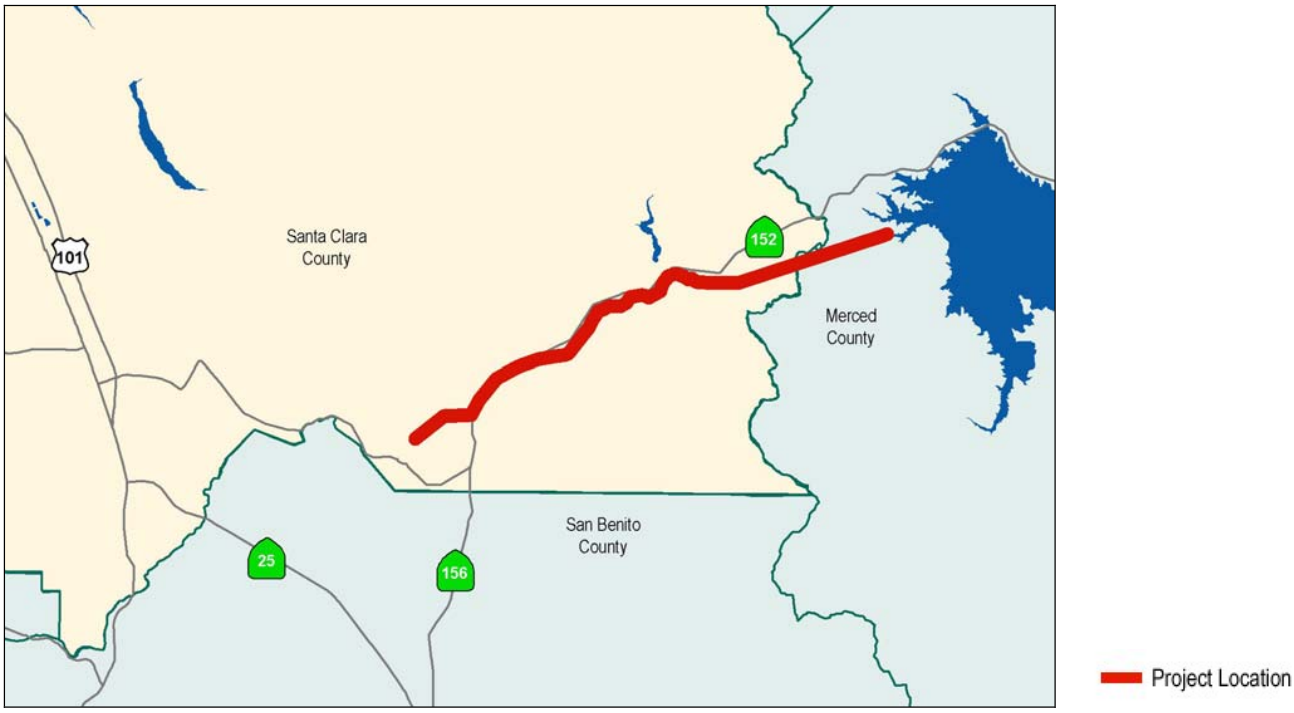
Project	Pacheco Fiber Optic Cable Replacement
Program	Water Supply – Transmission
Priority No.	50
Project No.	91C40104
District Contact	Gary Kawaoka gkawaoka@valleywater.org

Overhead fiber optic cable lines near San Luis Reservoir

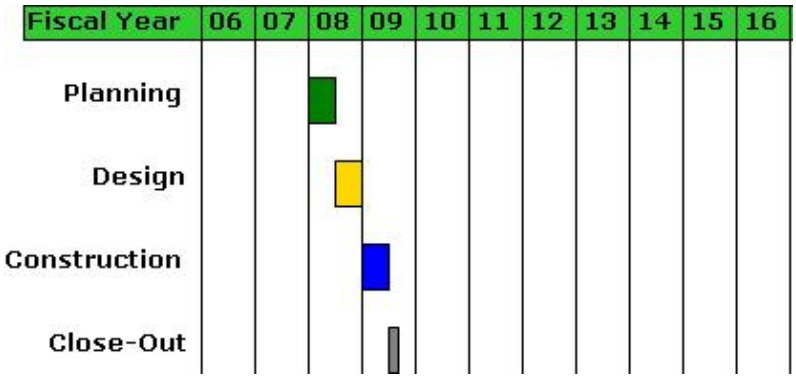
PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to overland fiber optic cable from the Pacheco Pumping Plant at San Luis Reservoir to the west portal of the Pacheco Tunnel, near Highway 152 and Casa de Fruta, to ensure reliable communications with Pacheco Pumping Plant.

PROJECT LOCATION



PROJECT SCHEDULE
July 2007 to February 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Pacheco Fiber Optic Cable Replacement	0	0	0	416	698	0	0	0	1,114
with inflation	0	0	0	441	763	0	0	0	1,204

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Pacheco Fiber Optic Cable Replacement	0	0	0	0	441	763	0	0	0	1,204

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	1,204
Other Funding Source	0
Total	1,204

OPERATING COST IMPACTS
The completion of this project is anticipated to decrease operating costs by approximately $30,000 per year.

USEFUL LIFE: 30+ Years

Project	Pacheco Pumping Plant ASD Replacement
Program	Water Supply – Transmission
Priority No.	57
Project No.	91954001
District Contact	Gary Kawaoka gkawaoka@valleywater.org

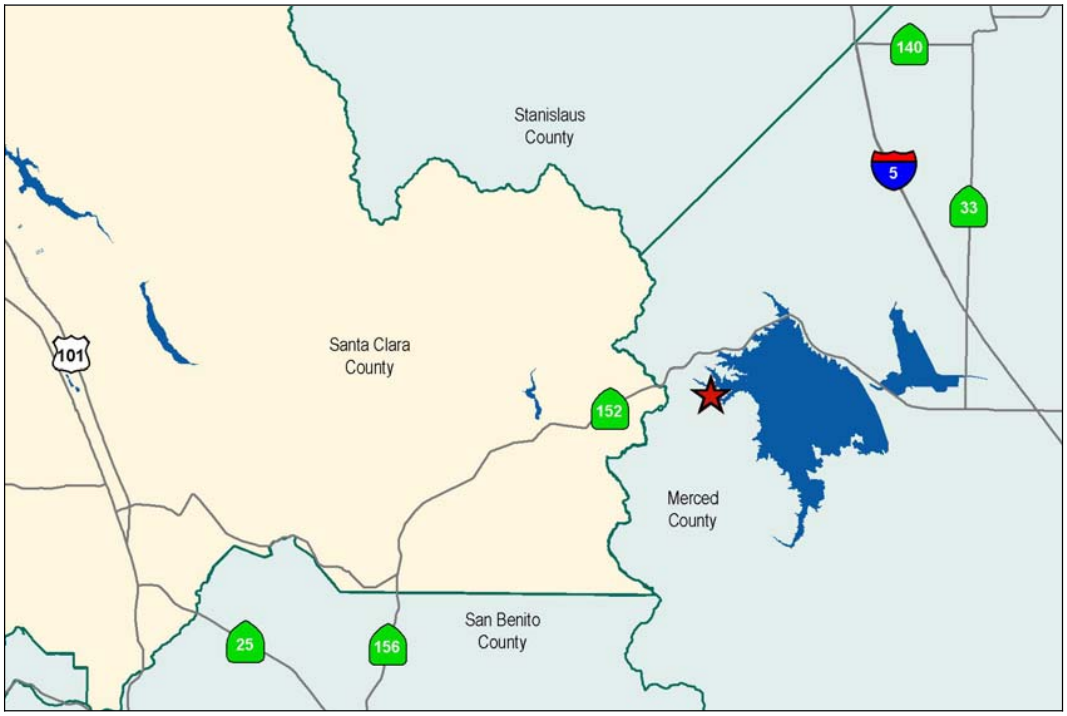
ASD drive gallery

PROJECT DESCRIPTION

This project plans, design, and constructs improvements to replace all twelve Adjustable Speed Drives (ASDs) at Pacheco Pumping Plant to accomplish the following objectives:

- Reduce risk of failure of this critical pumping plant through replacement of obsolete and unsupported adjustable speed drives.
- Modify pump motors to accommodate the new adjustable speed drive technology.
- Upgrade/replace the pumping plant's aging HVAC system.
- Complete seismic improvements related to ASD replacement.
- Integrate Supervisory Control and Data Acquisition control systems.

PROJECT LOCATION

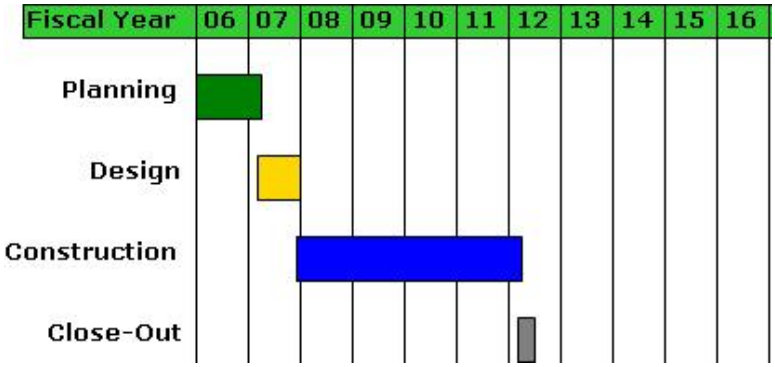


Project Location

PROJECT SCHEDULE

July 2003 to December 2011

Construction will be staged, with breaks for high flows in May through September of each year.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Pacheco Pumping Plant ASD Replacement	65	581	1,000	1,373	1,863	2,754	2,026	1,309	10,971
with inflation	65	581	1,030	1,457	2,036	3,100	2,349	1,563	12,180

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Pacheco Pumping Plant ASD Replacement	1,646	1,373	2,373	0	114	2,036	3,100	2,349	1,563	12,180

Adjusted Budget includes Adopted Budget plus approved Budget Adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	12,180
Other Funding Source	0
Total	12,180

Cost sharing with US Bureau of Reclamation and San Benito County is anticipated.

OPERATING COST IMPACTS

Operating cost impacts will be determined during the planning phase.

USEFUL LIFE: 35+ Years

Project	Pacheco Pumping Plant Regulating Tank Recoating
Program	Water Supply - Transmission
Priority No.	43
Project No.	91C40195
District Contact	Gary Kawaoka gkawaoka@valleywater.org

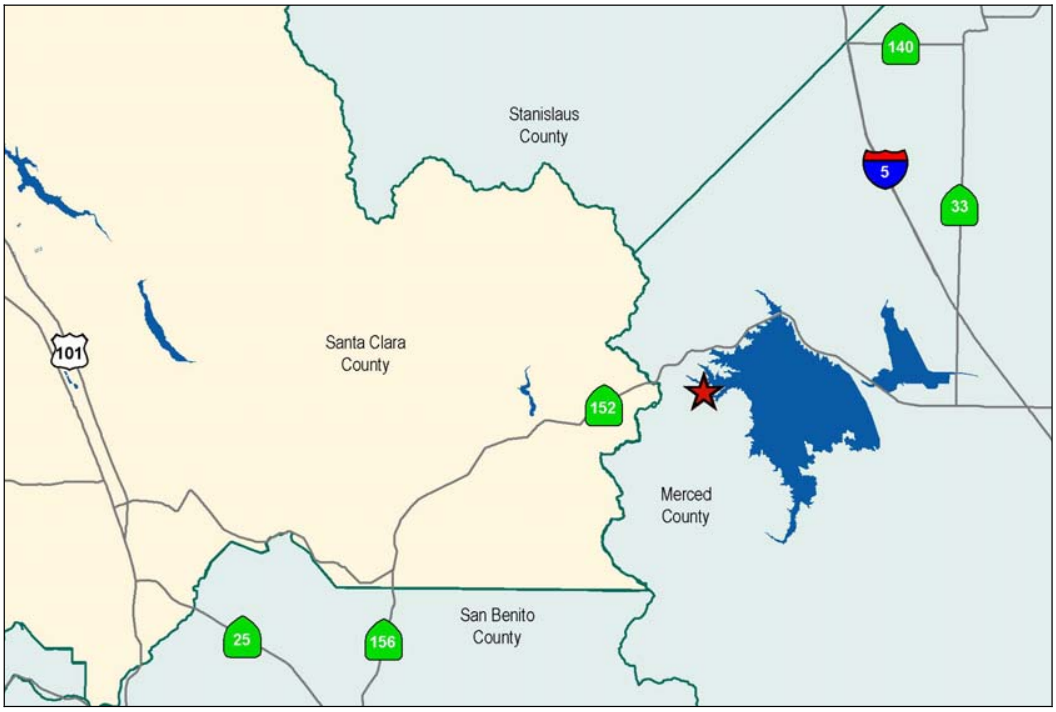
View of the regulating tank and surrounding area

PROJECT DESCRIPTION

This project plans, designs and constructs improvements at Pacheco Pumping Plant regulating tank to extend the service life of the tank by at least 15 to 20 years.

This project is currently funded for planning phase only. The scope, schedule, costs and funding sources of design phase and construction phase will be determined at the completion of the planning phase.

PROJECT LOCATION

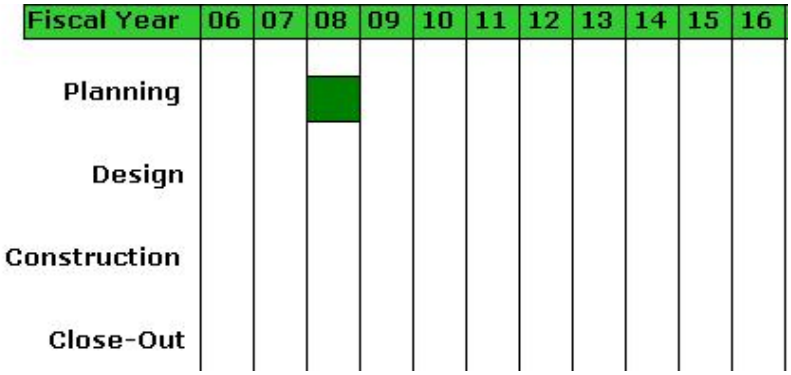


Project Location

PROJECT SCHEDULE

July 2007 to June 2008

(Planning Phase Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Pacheco Pumping Plant, Regulating Tank Recoating	0	0	0	95	0	0	0	0	95
with inflation	0	0	0	101	0	0	0	0	101

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Pacheco Pumping Plant, Regulating Tank Recoating	0	0	0	0	101	0	0	0	0	101

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	101
Other Funding Source	0
Total	101

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years

Project	**Raw Water Control System**
Program	Water Supply – Transmission
Priority No.	36
Project No.	92374002
District Contact	Ray Yep ryep@valleywater.org

Raw Water SCADA Master station antenna mast located at Rinconada Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the raw water control system to accomplish the following objectives:

- Upgrade current control system with a reliable Supervisory Control and Data Acquisition (SCADA) system, with acceptable performance to operate the raw water delivery system.
- Replace aging remote terminal unit (RTU) components and equipment at 50 raw water turnout facilities and three pumping facilities that cannot be maintained or repaired currently due to unavailability of spare parts.
- Evaluate and/or replace fiber optic communications modules at Pacheco Pumping Plant and Pacheco Sectionalizing Valve.
- Replace network communications cables as necessary, including trenching and installation of conduits and cables.

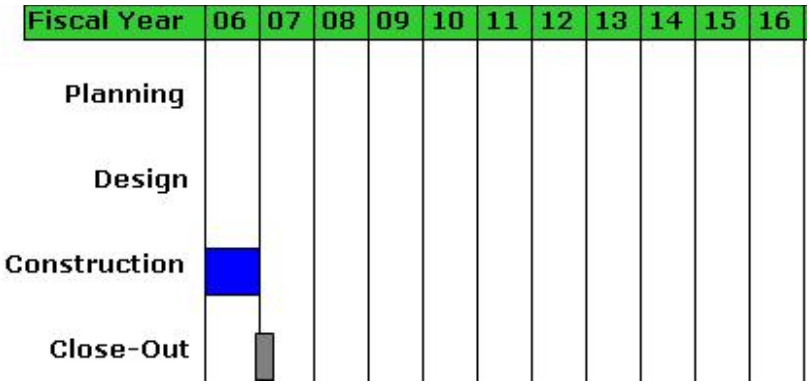
PROJECT LOCATION

In addition to the three treatment plants, this project replaces components at 50 raw water turnout facilities throughout the county. No map is provided.

PROJECT SCHEDULE

January 2003 to September 2006

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Raw Water Control System	7,257	1,300	706	0	0	0	0	0	9,263
with inflation	7,257	1,300	727	0	0	0	0	0	9,284

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Raw Water Control System	8,046	1,235	724	3	0	0	0	0	0	9,284

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	9,284
Other Funding Source	0
Total	9,284

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $15,000 per year.

USEFUL LIFE: 10+ Years

Project	**San Francisco Water Department Intertie**
Program	Water Supply – Transmission
Priority No.	37
Project No.	94194001
District Contact	Gary Kawaoka gkawaoka@valleywater.org

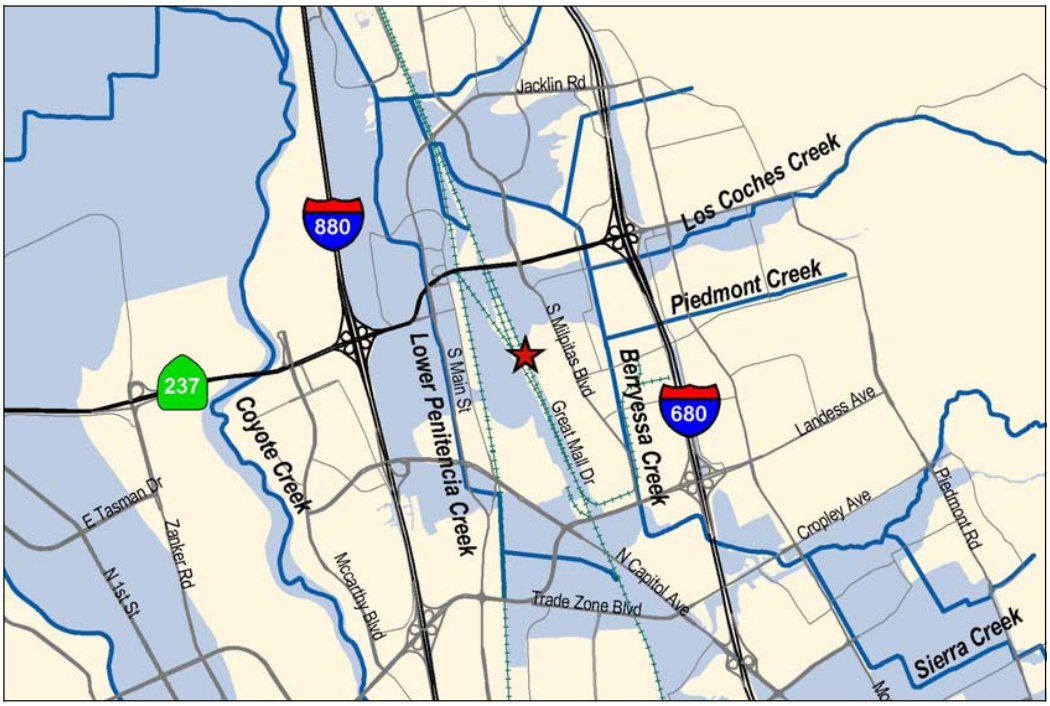
Interior of Intertie Pump Station

PROJECT DESCRIPTION

This project plans, designs and constructs a pump station, approximately 800 feet of 42-inch diameter connecting piping, chemical facilities for water quality adjustments and appurtenances to accomplish the following objective:

- Provide a connection between the Milpitas Pipeline and San Francisco Water Department's Bay Division Pipelines 3 and 4 to enable the exchange of treated water between the two agencies in the event of a major facility failure or other outage in either system, both planned and unplanned.

PROJECT LOCATION

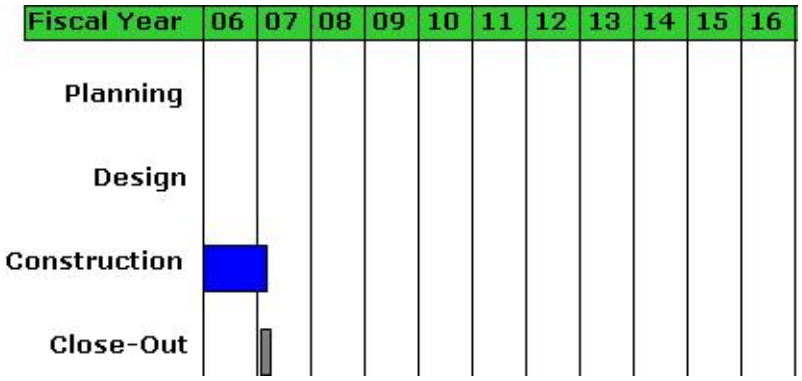


Project Location

PROJECT SCHEDULE

January 1990 to September 2006

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
San Francisco Water Department Intertie	3,253	81	311	0	0	0	0	0	3,644
with inflation	3,253	81	320	0	0	0	0	0	3,653

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
San Francisco Water Department Intertie	3,333	0	0	320	0	0	0	0	0	3,653

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,653
Other Funding Source	0
Total	**3,653**
San Francisco Water Department's Share	3,600

Costs shared equally, except for chemical treatment systems

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $22,500 per year.

USEFUL LIFE: 35+ Years

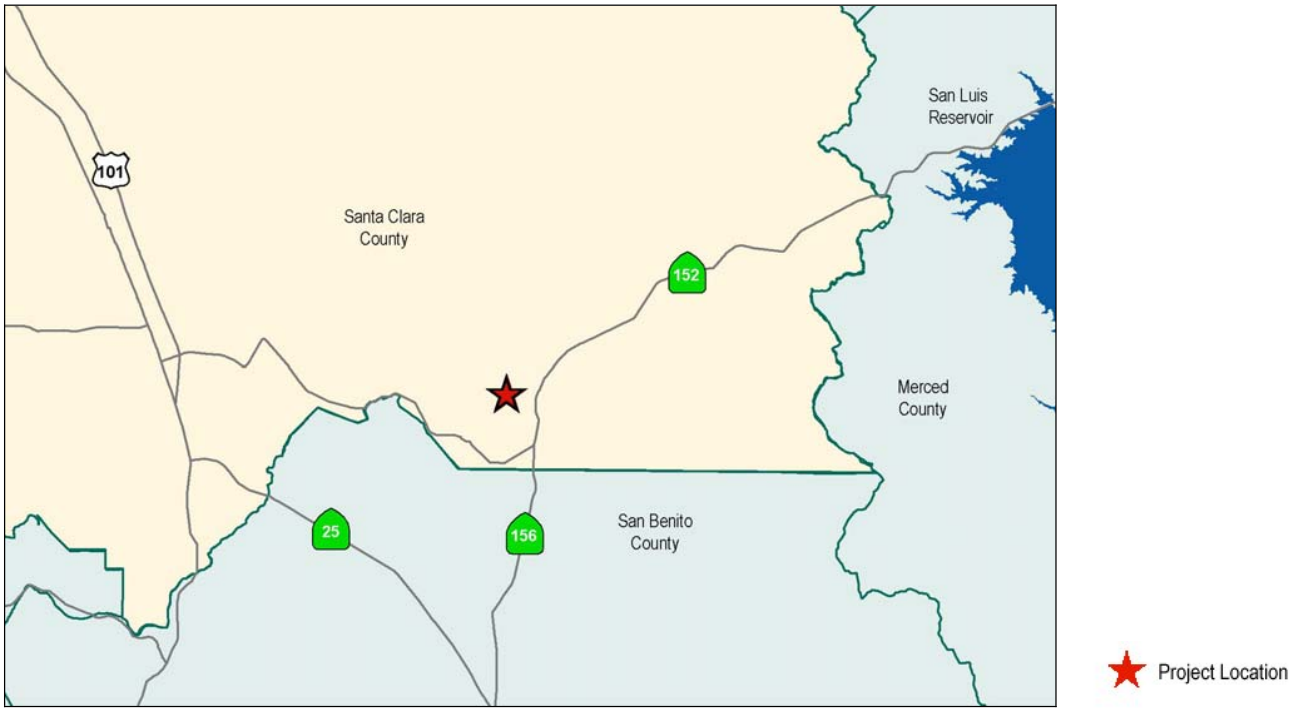
Project	**Santa Clara Tunnel Landslide Repair**
Program	Water Supply – Transmission
Priority No.	46
Project No.	91224003
Project Mgr.	Gary Kawaoka gkawaoka@valleywater.org

A southeasterly view of the landslide

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to repair the landslide north of the Santa Clara Conduit, adjacent to the Santa Clara Tunnel's East Portal, to prevent damage to the Santa Clara Conduit resulting from the landslide.

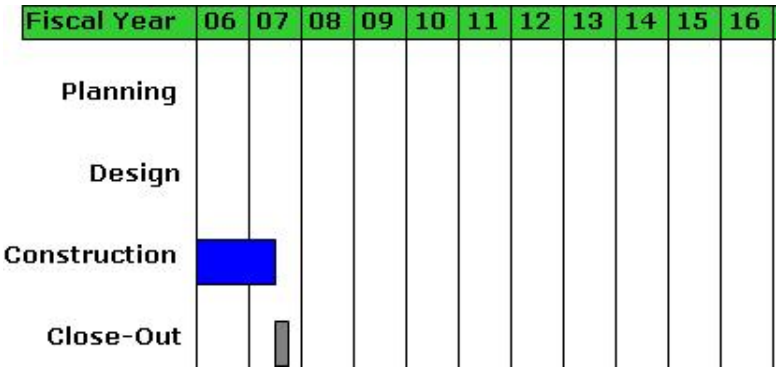
PROJECT LOCATION



PROJECT SCHEDULE

April 1998 to March 2007

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Santa Clara Tunnel Landslide Repair	4,409	33	27	0	0	0	0	0	4,469
with inflation	4,409	33	28	0	0	0	0	0	4,470

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Santa Clara Tunnel Landslide Repair	5,196	-754	0	28	0	0	0	0	0	4,470

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.
An adjustment in FY 2006 moved the FY 2006 budget and approximately $754,000 of unspent prior years' appropriations to other capital projects.

FUNDING SOURCES

(in thousands $)

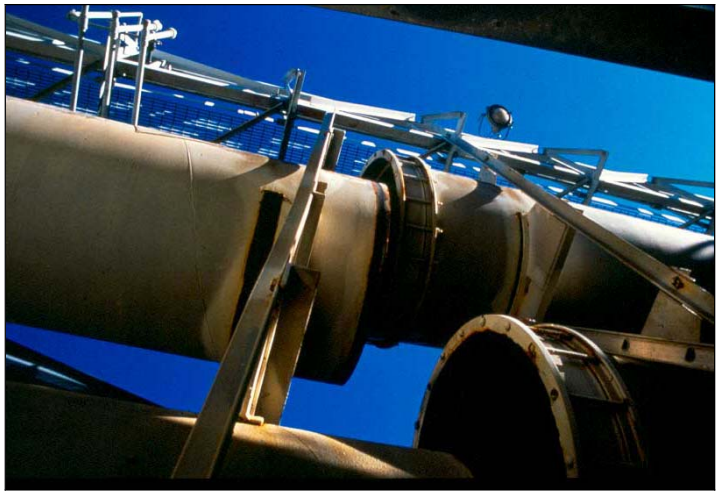
SCVWD Water Utility Enterprise Fund	4,470
Other Funding Source	0
Total	4,470

OPERATING COST IMPACTS

No operating impacts are anticipated from the construction of this project.

USEFUL LIFE: Not Available

Project	**Water Infrastructure Reliability Program**
Program	Water Supply – Transmission
Priority No.	51
Project No.	91764002S
District Contact	Ray Yep ryep@valleywater.org



Dislocated pipelines at Rinconada Water Treatment Plant clarifiers resulting from 1989 Loma Prieta earthquake.

PROJECT DESCRIPTION

This project will plan and implement improvements at the District's and United States Bureau of Reclamation's water supply facilities to accomplish the following objectives:

- Improve reliability and reduce vulnerability of Santa Clara County water supply facilities to natural and man-originated catastrophes.
- Establish an appropriate balance of level of service vs. cost/water rate impact.

This project includes three stages: Program Development (9164002), Phase I Implementation (91794017), and Phase 2 Implementation. The program plan recommended capital improvements and operational improvements. Only the capital improvements are included in the CIP.

Phase 1 Implementation includes purchasing and stockpiling pipes to reduce outage periods after hazardous events.

Phase 2 Implementation includes SCADA system improvement, east side well field, west side well field, additional line valves, and seismic retrofit of treatment plants and operations buildings.

The project is currently funded through Phase 1 only. The scope, schedule, costs and funding sources for Phase 2 Implementation will be determined in FY 07 and will be included in the future CIP updates accordingly.

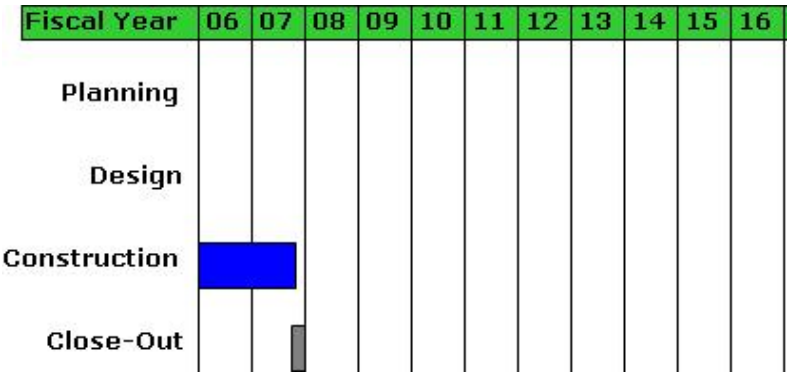
PROJECT LOCATION

No map is provided.

PROJECT SCHEDULE

March 2003 to June 2007

Program development is complete.
(Phase 1 Implementation Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Water Infrastructure Reliability (Program Development)	2,122	41	0	0	0	0	0	0	2,163
with inflation	2,122	41	0	0	0	0	0	0	2,163
Water Infrastructure Reliability (Phase 1 Implementation)	0	50	1,925	0	0	0	0	0	1,975
with inflation	0	50	1,983	0	0	0	0	0	2,033
TOTAL	**2,122**	**91**	**1,925**	**0**	**0**	**0**	**0**	**0**	**4,138**
with inflation	**2,122**	**91**	**1,983**	**0**	**0**	**0**	**0**	**0**	**4,196**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Water Infrastructure Reliability (Program Development)	2,163	0	0	0	0	0	0	0	0	2,163
Water Infrastructure Reliability (Phase 1 Implementation	0	2,033	1,983	0	0	0	0	0	0	2,033
TOTAL	**2,163**	**2,033**	**1,983**	**0**	**0**	**0**	**0**	**0**	**0**	**4,196**

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	4,196
Other Funding Source	0
Total	**4,196**

OPERATING COST IMPACTS

Completion of Phase 1 implementation is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available

Treatment Facilities Project Pages

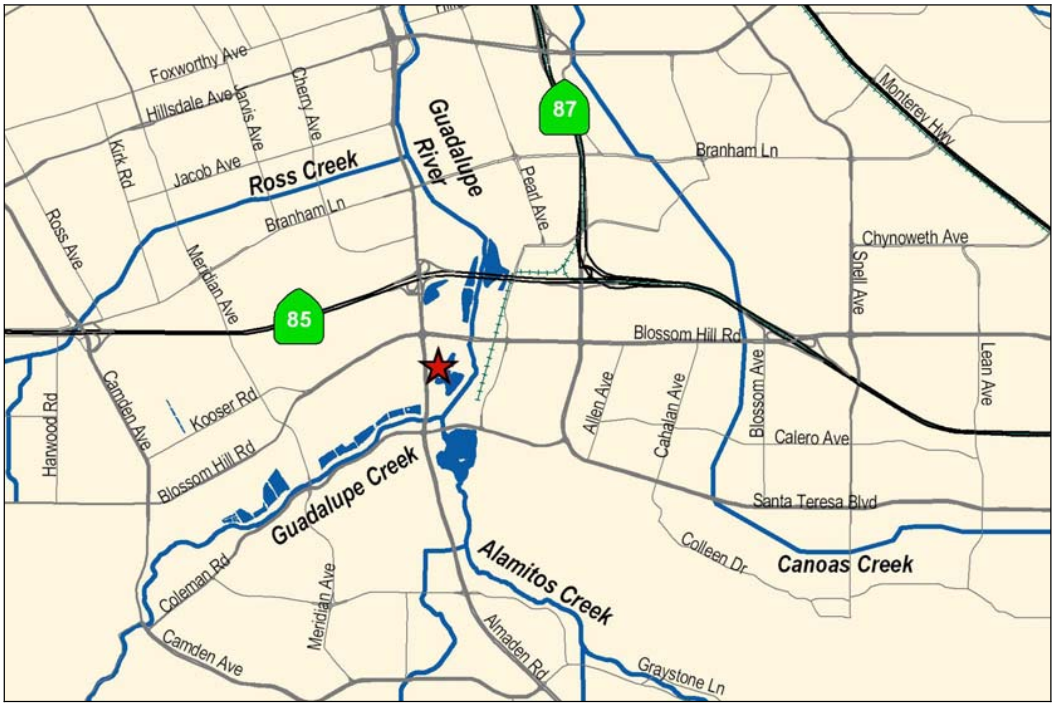
Project	Almaden Campus Water Quality Laboratory
Program	Water Supply – Treatment
Priority No.	67
Project No.	93404003
District Contact	Gary Kawaoka gkawaoka@valleywater.org

Rendering of future water quality laboratory

PROJECT DESCRIPTION

This project plans, designs, and constructs a new 18,400 square-foot water quality laboratory at the District's Almaden campus to meet the existing and increased workload resulting from new regulations and upgrades to the District's Penitencia and Santa Teresa Water Treatment Plants and the future upgrade to the Rinconada Water Treatment Plant.

PROJECT LOCATION

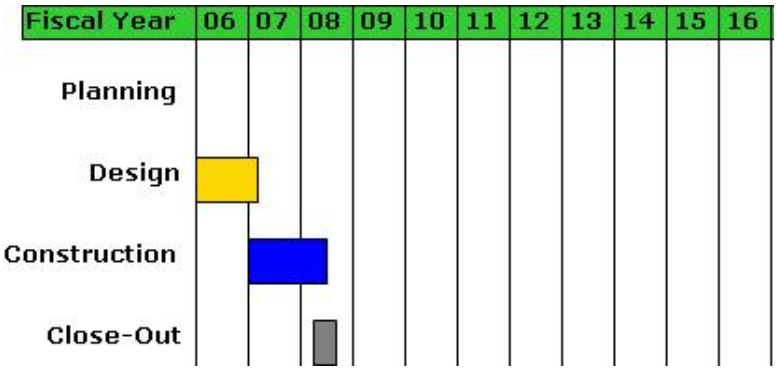


Project Location

PROJECT SCHEDULE

July 1995 to February 2008

Planning phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Almaden Campus Water Quality Laboratory	4,647	1,497	16,249	1,968	0	0	0	0	24,361
with inflation	4,647	1,497	16,736	2,088	0	0	0	0	24,968

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Almaden Campus Water Quality Laboratory	19,084	1,914	14,854	1,882	2,088	0	0	0	0	24,968

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

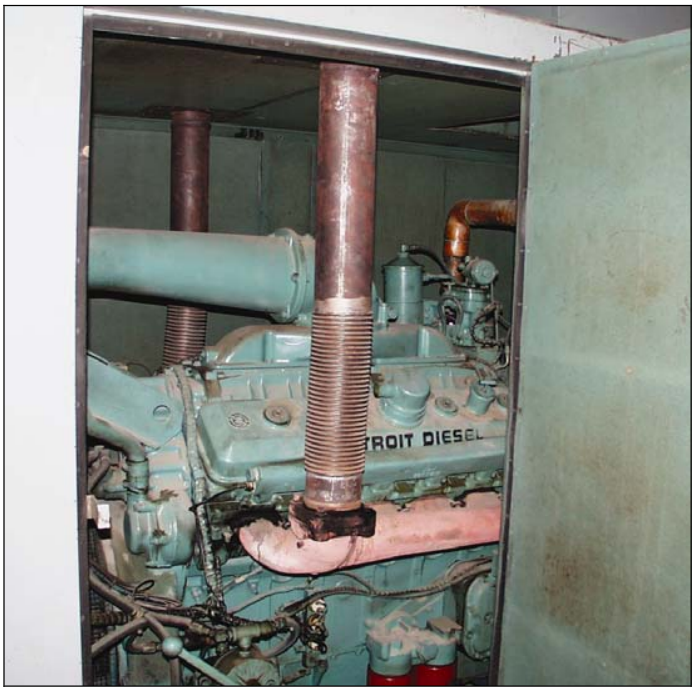
SCVWD Water Utility Enterprise Fund	24,968
Other Funding Source	0
Total	24,968

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $263,000 per year.

USEFUL LIFE: 50+ Years

Project	PWTP Backup Generator Replacement
Program	Water Supply – Treatment
Priority No.	59
Project No.	93234033
District Contact	Ray Yep ryep@valleywater.org



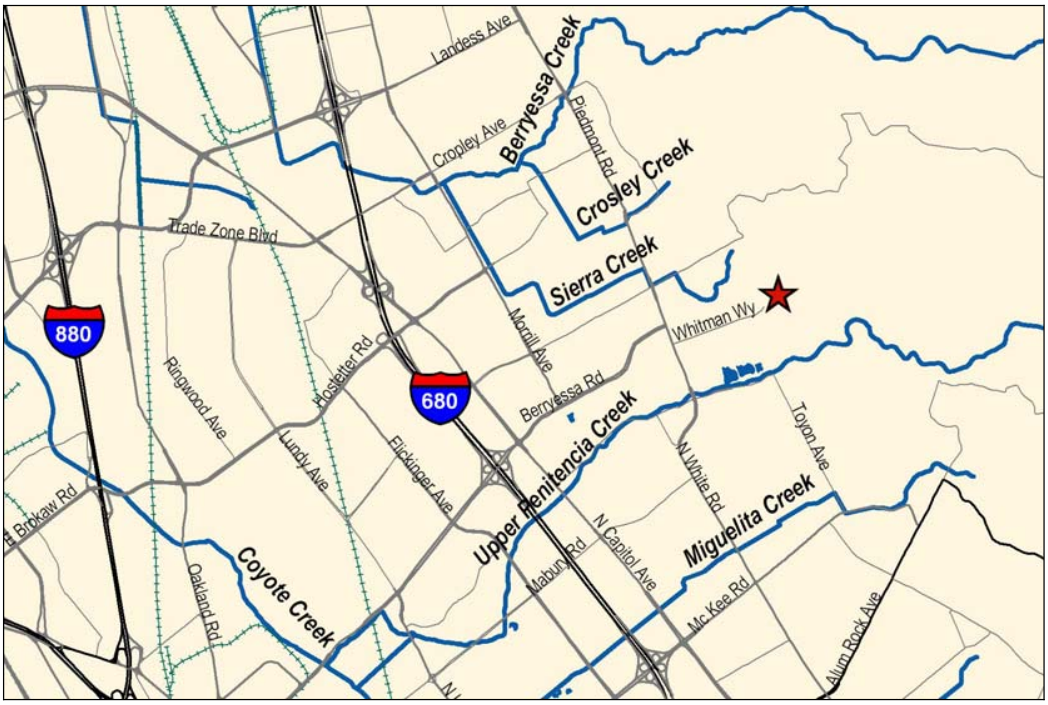
Existing diesel powered generator

PROJECT DESCRIPTION

This project plans, designs, and constructs a new backup generator at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

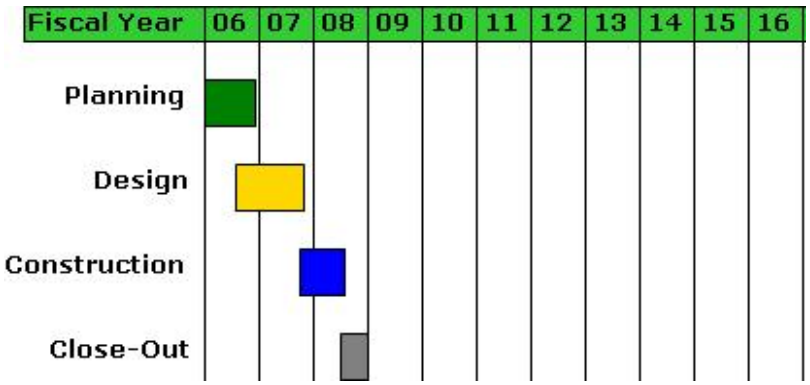
- Provide reliable and adequate backup power during periods of primary utility power loss.
- Meet the requirements necessary to maintain adequate plant operations and assure reliable water delivery.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
January 2003 to June 2008



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
PWTP Backup Generator Replacement	198	250	1,748	140	0	0	0	0	2,336
with inflation	198	250	1,800	149	0	0	0	0	2,397

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
PWTP Backup Generator Replacement	2,336	0	1,888	0	61	0	0	0	0	2,397

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	2,397
Other Funding Source	0
Total	2,397

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 15+ Years

Project	**PWTP Backwash Pump Replacement**
Program	Water Supply – Treatment
Priority No.	56
Project No.	93234036
District Contact	Gary Kawaoka gkawaoka@valleywater.org

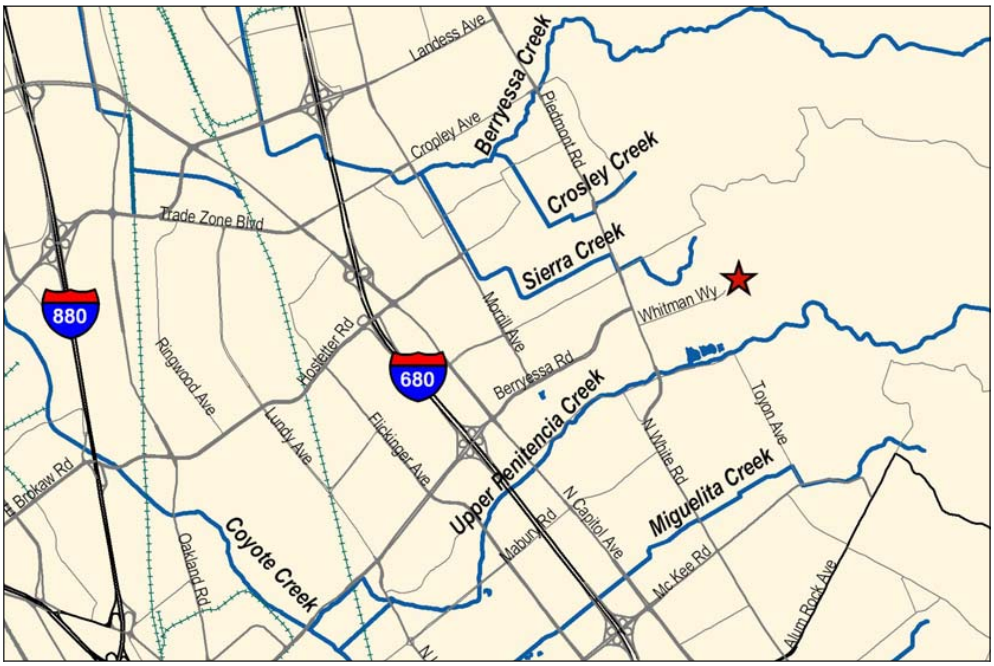
Existing backwash pump at Penitencia Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to replace the existing Penitencia Water Treatment Plant (PWTP) backwash pump to accomplish the following objectives:

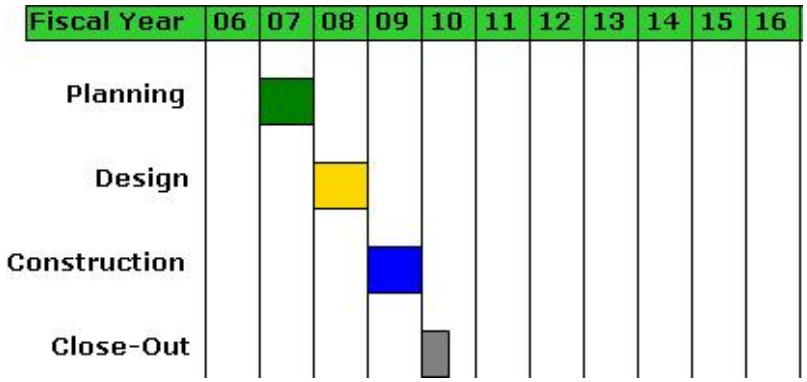
- Meet demands resulting from completion of Treated Water Improvement Project improvements.
- Ensure the reliability and integrity of the Utility's infrastructure.
- Facilitate or enhance the Utility's abilities to produce goods and deliver services.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2006 to December 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
PWTP Backwash Pump Replacement	52	0	150	220	557	30	0	0	1,009
with inflation	52	0	155	233	609	34	0	0	1,082

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
PWTP Backwash Pump Replacement	803	0	751	0	0	246	34	0	0	1,082

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	1,082
Other Funding Source	0
Total	1,082

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 15+ Years

Project	PWTP Chemical System Upgrade
Program	Water Supply – Treatment
Priority No.	34
Project No.	93234032
District Contact	Gary Kawaoka gkawaoka@valleywater.org

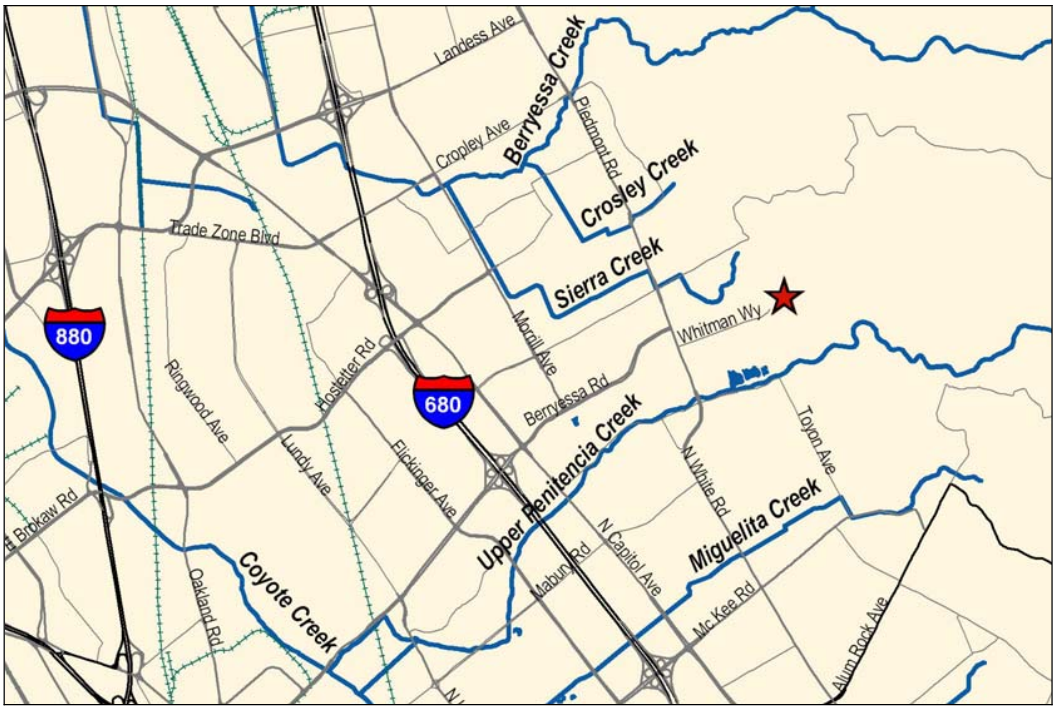
Caustic Soda Chemical Storage Tank at Penitencia Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) chemical systems to accomplish the following objectives:

- Minimize zinc orthophosphate system breakdowns, thus improving operational redundancy and reliability.
- Provide a reliable corrosion control storage and feed system that will reduce the risk of chemical feed loss.
- Prevent contaminated waters from re-entering the plant process systems.

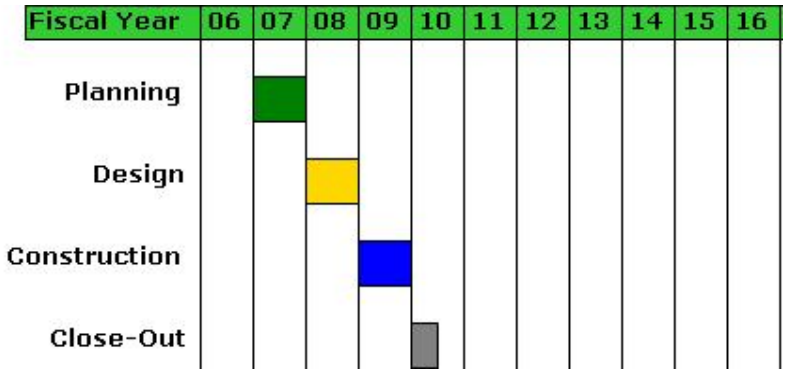
PROJECT LOCATION



Project Location

PROJECT SCHEDULE

October 2001 to December 2009



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
PWTP Chemical System Upgrade	223	0	140	254	1,430	139	0	0	2,186
with inflation	223	0	144	269	1,563	156	0	0	2,356

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
PWTP Chemical System Upgrade	505	0	282	0	132	1,563	156	0	0	2,356

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,356
Other Funding Source	0
Total	2,356

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $5,000 per year.

USEFUL LIFE: 15+ Years

Project	**PWTP Improvement, Stage 2**
Program	Water Supply – Treatment
Priority No.	76
Project No.	93234028
District Contact	Gary Kawaoka gkawaoka@valleywater.org

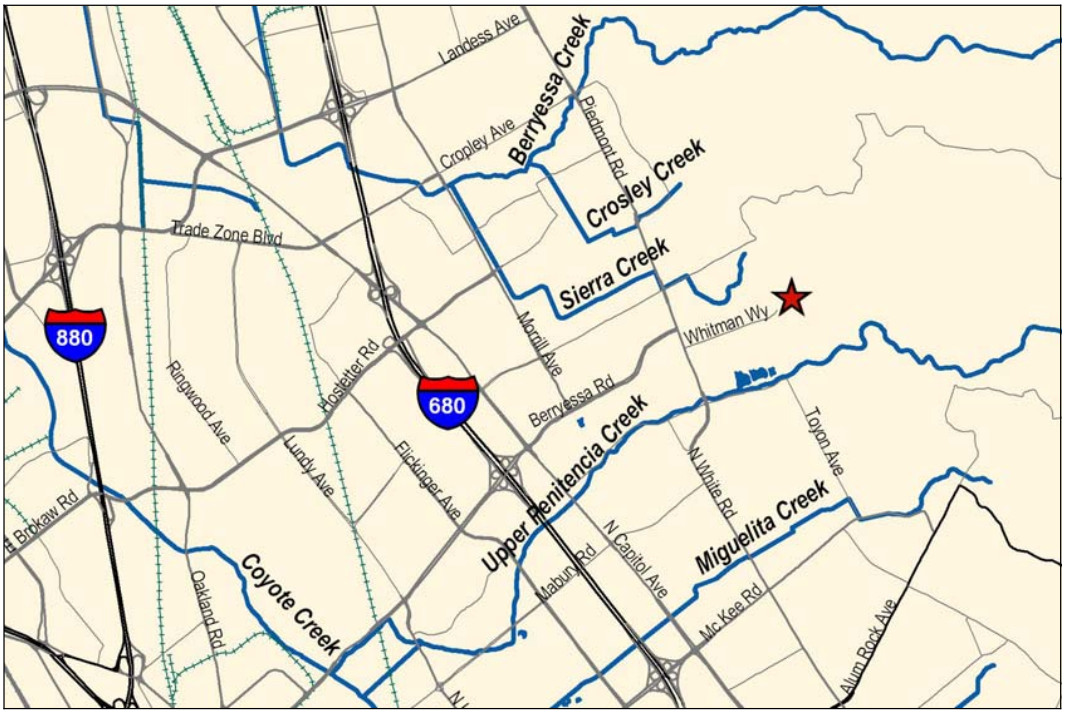
Construction of the liquid oxygen storage facility and ozone contactor building

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Improve treated water quality and ensure all applicable water quality regulations are met or exceeded.
- Improve the reliability of Penitencia Water Treatment Plant by upgrading existing facilities to meet current seismic and landslide standards.

PROJECT LOCATION

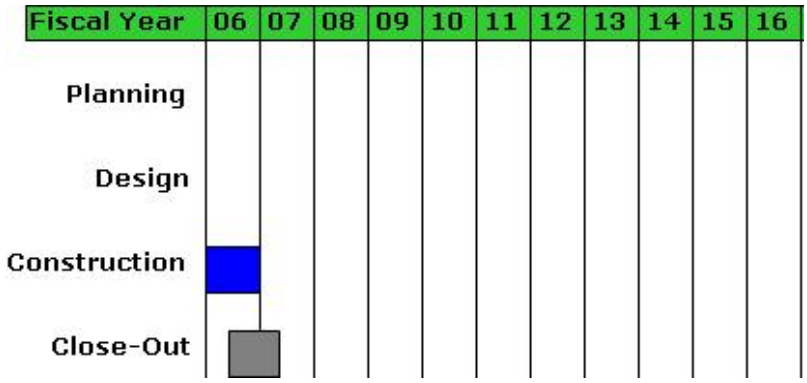


Project Location

PROJECT SCHEDULE

July 1991 to October 2006

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
PWTP Improvement, Stage 2	64,348	4,356	560	0	0	0	0	0	69,264
with inflation	64,348	4,356	577	0	0	0	0	0	69,281

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
PWTP Improvement, Stage 2	66,557	2,147	0	577	0	0	0	0	0	69,281

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	69,281
Other Funding Source	0
Total	**69,281**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $691,000 per year.

USEFUL LIFE: Mechanical Elements – 15+ Years; Structural Elements – 50+ Years

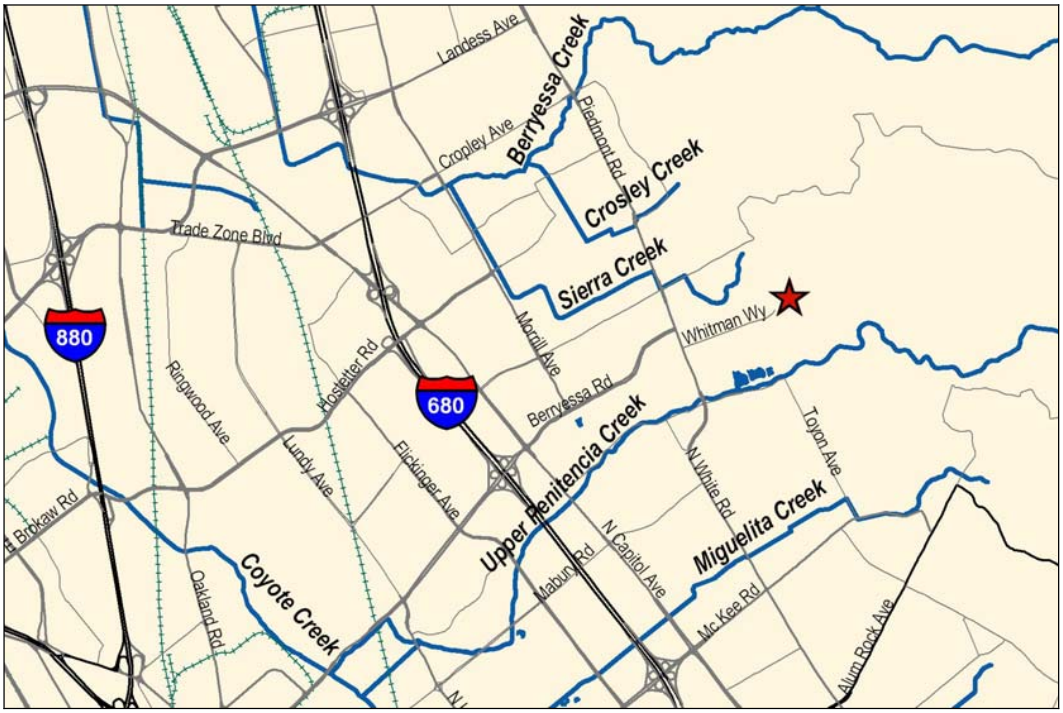
Project	PWTP Maintenance Building
Program	Water Supply – Treatment
Priority No.	69
Project No.	93234031
Project Mgr.	Gary Kawaoka gkawaoka@valleywater.org

Temporary storage facilities at the Penitencia Water Treatment Plant

PROJECT DESCRIPTION

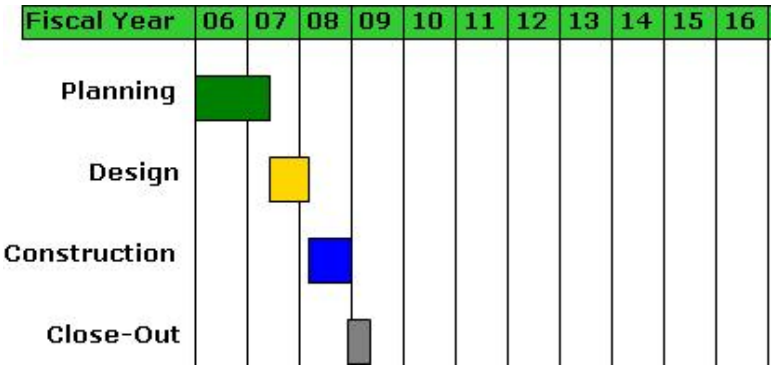
This project plans, designs, and constructs a new maintenance building at Penitencia Water Treatment Plant to provide adequate workshop space and storage areas to meet the needs of the maintenance personnel at the plant.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2001 to October 2008



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
PWTP Maintenance Building	731	585	643	2,305	120	0	0	0	4,384
with inflation	731	585	662	2,445	131	0	0	0	4,555

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
PWTP Maintenance Building	1,346	0	30	632	2,445	131	0	0	0	4,555

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	4,555
Other Funding Source	0
Total	4,555

OPERATING COST IMPACTS
Completion of the project is anticipated to increase operating expenditure by $15,000 per year.

USEFUL LIFE: 50+ Years

Project	PWTP Washwater Clarification Facility
Program	Water Supply – Treatment
Priority No.	60
Project No.	93C40199
District Contact	Gary Kawaoka gkawaoka@valleywater.org

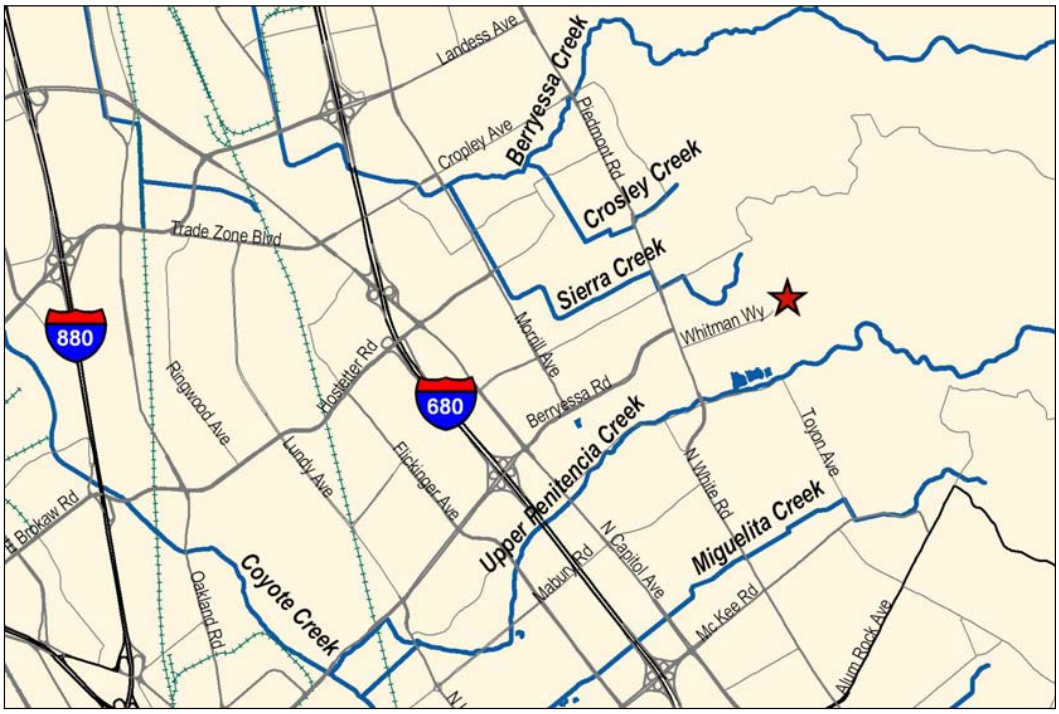
Potential site for new washwater clarification facility in foreground

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

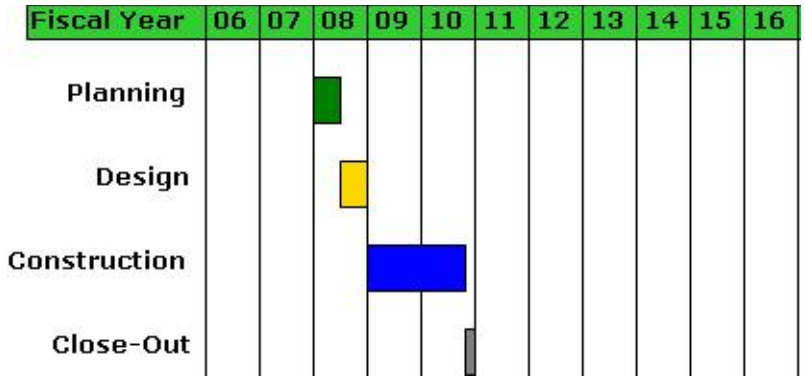
- Improve treated water quality.
- Comply with the Federal Filter Backwash Recycling Rule (FBRR) and the California Cryptosporidium Action Plan (CAP).

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2007 to June 2010



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
PWTP Washwater Clarification Facility	0	0	0	420	420	4,160	0	0	5,000
with inflation	0	0	0	446	459	4,682	0	0	5,587

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
PWTP Washwater Clarification Facility	0	0	0	0	446	459	4,682	0	0	5,587

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	5,587
Other Funding Source	0
Total	5,587

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Mechanical Elements – 15 Years; Structural Elements – 50+ Years

Project	RWTP Backup Generator Modifications
Program	Water Supply – Treatment
Priority No.	65
Project No.	93294035
District Contact	Ray Yep ryep@valleywater.org

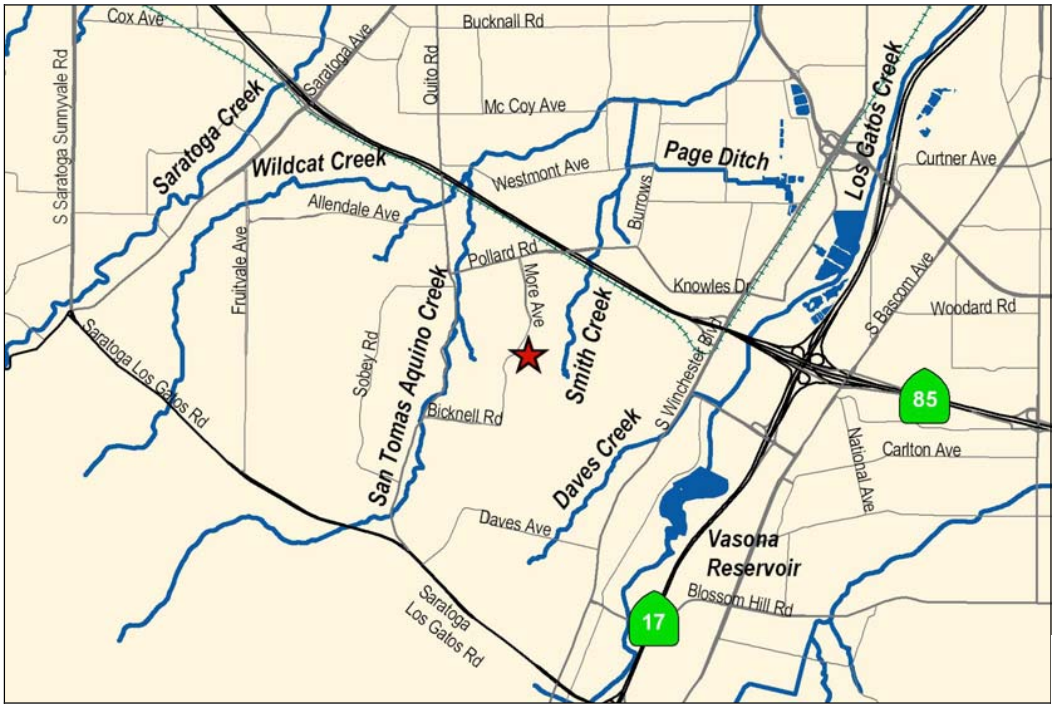
Temporary location of generator in the Rinconada parking lot

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP) to accomplish the following objectives:

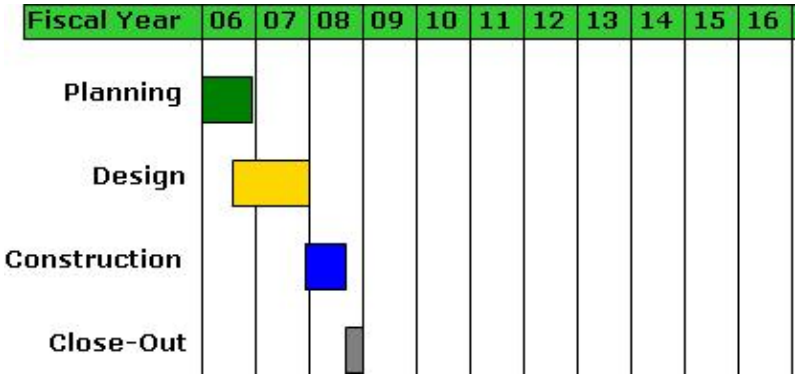
- Relocate the 1500 kW diesel generator and related fuel tank and transformer from the temporary location in the parking lot to a permanent location near the switchgear area on the Rinconada campus.
- Provide all necessary modifications to the generator system to change from the existing emergency use to back-up operation.
- Meet all codes and requirements of the Fire Department for the back-up generator.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
January 2003 to June 2008



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
RWTP Backup Generator Modifications	65	100	1,200	152	0	0	0	0	1,517
with inflation	65	100	1,236	161	0	0	0	0	1,562

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
RWTP Backup Generator Modifications	1,469	0	1,304	0	93	0	0	0	0	1,562

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	1,562
Other Funding Source	0
Total	1,562

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 15+ Years

Project	RWTP Chemical System Upgrade
Program	Water Supply – Treatment
Priority No.	34
Project No.	93294029
District Contact	Gary Kawaoka gkawaoka@valleywater.org

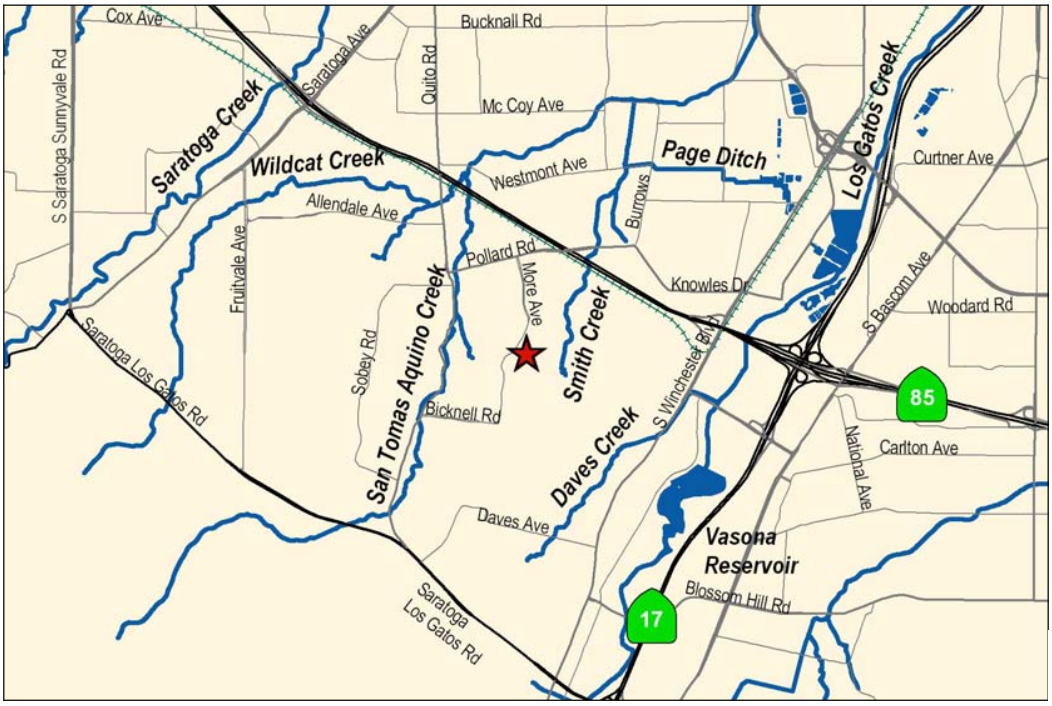
The existing corrosion inhibitor facility at RWTP will be upgraded.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP) chemical systems to accomplish the following objectives:

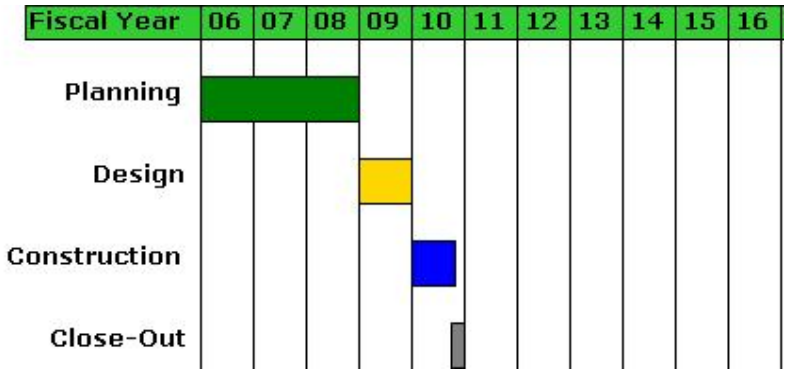
- Upgrade the existing corrosion inhibitor system and increase caustic soda storage capacity.
- Minimize breakdowns of the corrosion inhibitor system and caustic soda storage, thus improving operational redundancy and reliability.
- Comply with the Lead and Copper Rule, Fire Code, and District standard design requirements.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
October 2001 to June 2010



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
RWTP Chemical System Upgrade	513	0	0	169	422	2,492	0	0	3,596
with inflation	513	0	0	179	461	2,805	0	0	3,958

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
RWTP Chemical System Upgrade	588	125	200	0	0	440	2,805	0	0	3,958

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	3,958
Other Funding Source	0
Total	3,958

OPERATING COST IMPACTS
The project does not alter the existing facilities or modes of operations, therefore does not increase or decrease the annual operating costs.

USEFUL LIFE: 15+ Years

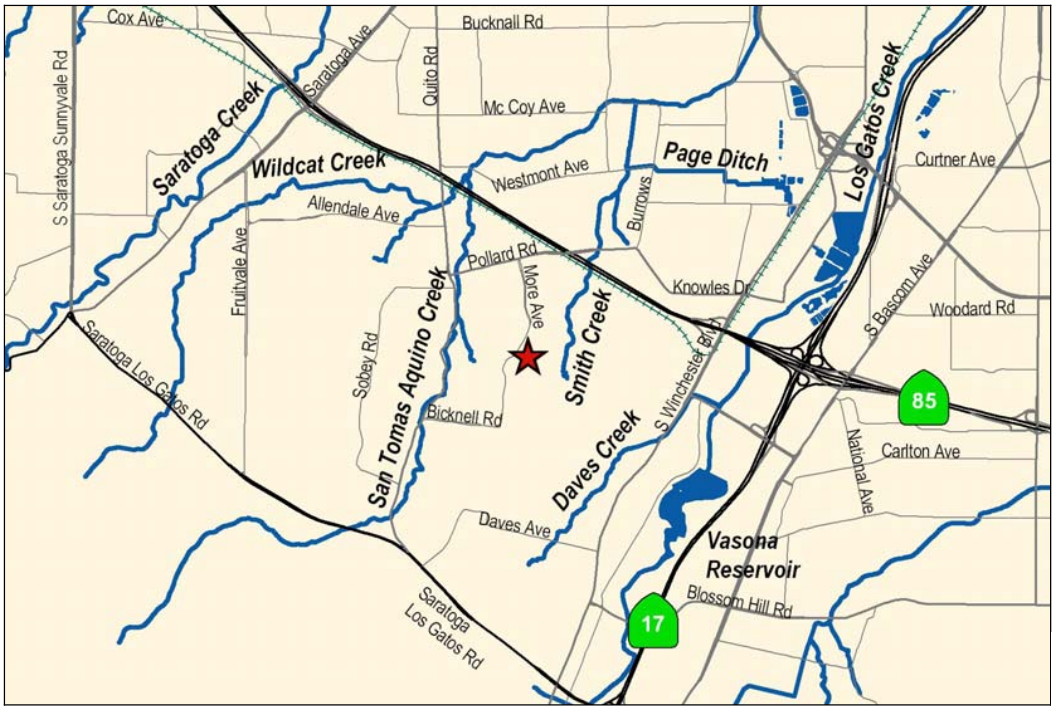
Project	RWTP Control System Trunk Cable Upgrade
Program	Water Supply – Treatment
Priority No.	44
Project No.	93294042
District Contact	Gary Kawaoka gkawaoka@valleywater.org

RWTP trunk cable connecting to the primary and backup programmable logic controller

PROJECT DESCRIPTION

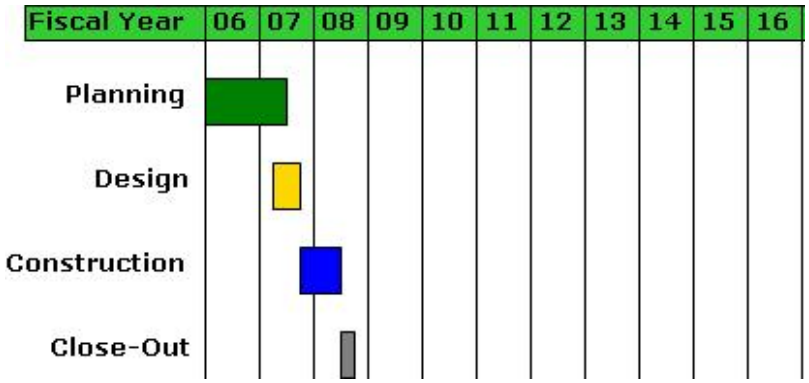
This project plans, designs, and constructs improvements in the Rinconada Water Treatment Plant (RWTP) Supervisory Control and Data Acquisition (SCADA) communications system to relieve unplanned system failures.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
October 2003 to March 2008



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
RWTP Control System Trunk Cable Upgrade	33	30	180	50	0	0	0	0	293
with inflation	33	30	185	53	0	0	0	0	301

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
RWTP Control System Trunk Cable Upgrade	184	106	227	0	11	0	0	0	0	301

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	301
Other Funding Source	0
Total	301

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 30+ Years

Project	**RWTP Improvement, Stage 2**
Program	Water Supply – Treatment
Priority No.	84
Project No.	93294028
District Contact	Gary Kawaoka gkawaoka@valleywater.org

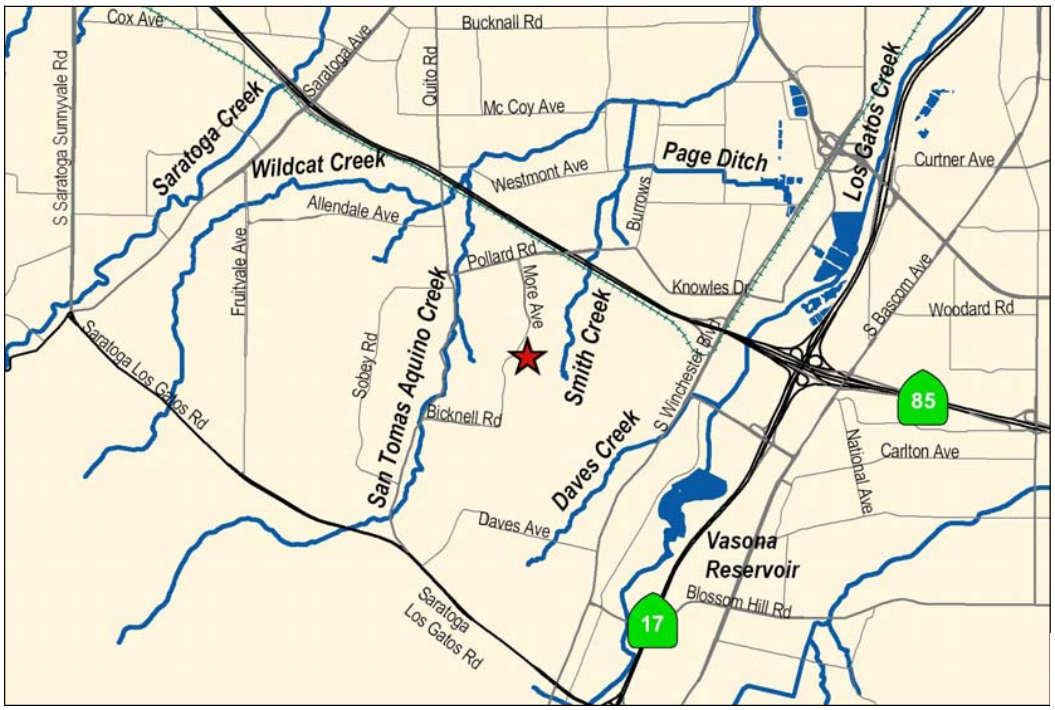
Proposed fifth clarifier and ozone facilities (preliminary computer simulation as seen from More Avenue)

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at the Rinconada Water Treatment Plant (RWTP) to accomplish the following objectives:

- Improve treated water quality and ensure that all applicable water quality regulations are met or exceeded.
- Improve the reliability of the Rinconada Water Treatment plant by increasing its capacity to 100 million gallons per day and by seismically upgrading existing major treatment facilities.

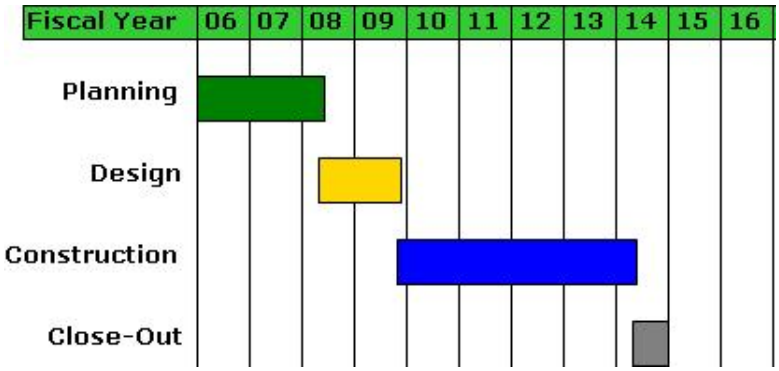
PROJECT LOCATION



Project Location

PROJECT SCHEDULE

January 1996 to June 2014



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
RWTP Improvement, Stage 2	10,474	2,050	1,370	2,657	2,280	24,392	42,354	35,735	121,312
with inflation	10,474	2,050	1,411	2,819	2,491	27,453	49,100	43,194	138,993

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Proposed Budget	Planned Funding Requests				Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
RWTP Improvement, Stage 2	14,182	0	1,658	0	2,572	2,491	27,453	49,100	43,194	138,993

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	138,993
Other Funding Source	0
Total	138,993

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $1,350,000 per year.

USEFUL LIFE: Mechanical Elements – 15+ Years; Structural Elements – 50+ Years

Project	STWTP Improvement, Stage 2
Program	Water Supply – Treatment
Priority No.	94
Project No.	93284028
District Contact	Gary Kawaoka gkawaoka@valleywater.org

STWTP East ozone contactor structure, where ozone gas will be bubbled through water as part of the primary drinking water disinfection process.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Santa Teresa Water Treatment Plant (STWTP) to improve treated water quality and ensure all applicable water quality regulations are met or exceeded.

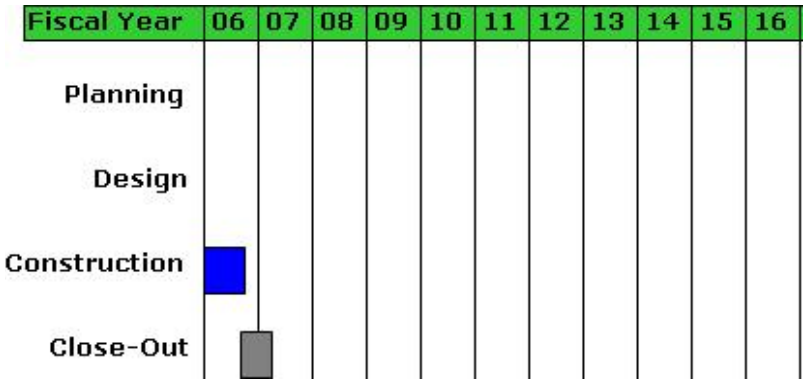
PROJECT LOCATION

Project Location

PROJECT SCHEDULE

December 1998 to September 2006

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
STWTP Improvement, Stage 2	57,792	1,803	50	0	0	0	0	0	59,645
with inflation	57,792	1,803	52	0	0	0	0	0	59,647

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
STWTP Improvement, Stage 2	60,336	0	741	0	0	0	0	0	0	60,336

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.
The total planned expenditure is $689,000 less than the available project funding. The unspent budget will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	60,336
Other Funding Source	0
Total	60,336

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $1,145,000 per year.

USEFUL LIFE: Mechanical Elements – 15+ Years; Structural Elements – 50+ Years

Project	**STWTP Incompatible Materials**
Program	Water Supply – Treatment
Priority No.	58
Project No.	93284030
District Contact	Gary Kawaoka gkawaoka@valleywater.org

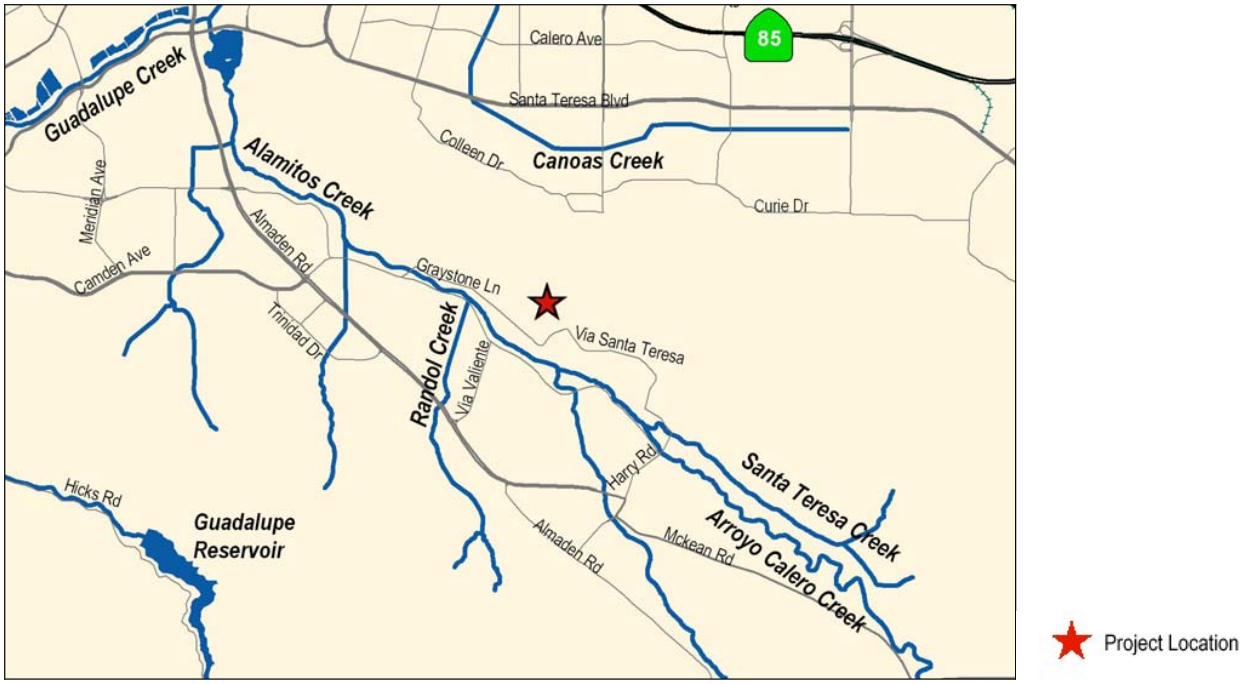
Incompatible chemical piping will be separated at the Santa Teresa Water Treatment Plant.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Santa Teresa Water Treatment Plant (STWTP) to accomplish the following objectives:

- Separate incompatible chemicals at chemical feed and storage facilities to meet Hazardous Material (HAZMAT) storage regulations.
- Ensure the reliability and integrity of the Utility's infrastructure.
- Facilitate or enhance the Utility's abilities to produce goods and deliver services.

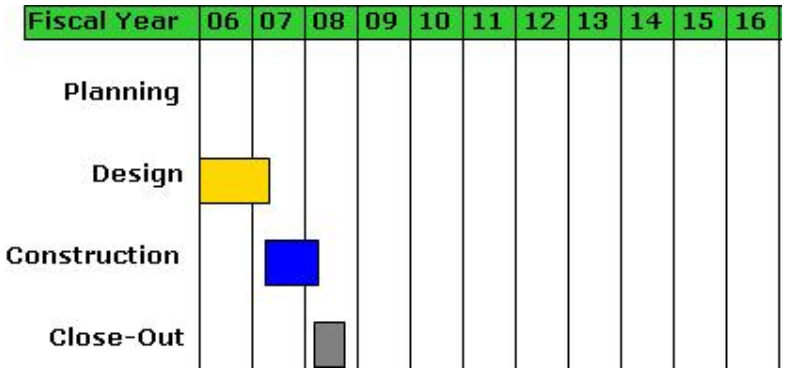
PROJECT LOCATION



PROJECT SCHEDULE

July 2001 to March 2008

Planning phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
STWTP Incompatible Materials	855	250	924	180	0	0	0	0	2,209
with inflation	855	250	952	191	0	0	0	0	2,248

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
STWTP Incompatible Materials	2,280	0	1,175	0	0	0	0	0	0	2,280

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.
The total planned expenditure is $32,000 less than the available project funding The unspent budget will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,280
Other Funding Source	0
Total	2,280

OPERATING COST IMPACTS

The complete project will have negligible impacts on the operating cost.

USEFUL LIFE: Mechanical Elements – 35+ Years; Structural Elements – 50+ Years

Project	Water Treatment Plants SCADA Security
Program	Water Supply – Treatment
Priority No.	25
Project No.	93084010
District Contact	Seth Johnson sjohnson@valleywater.org

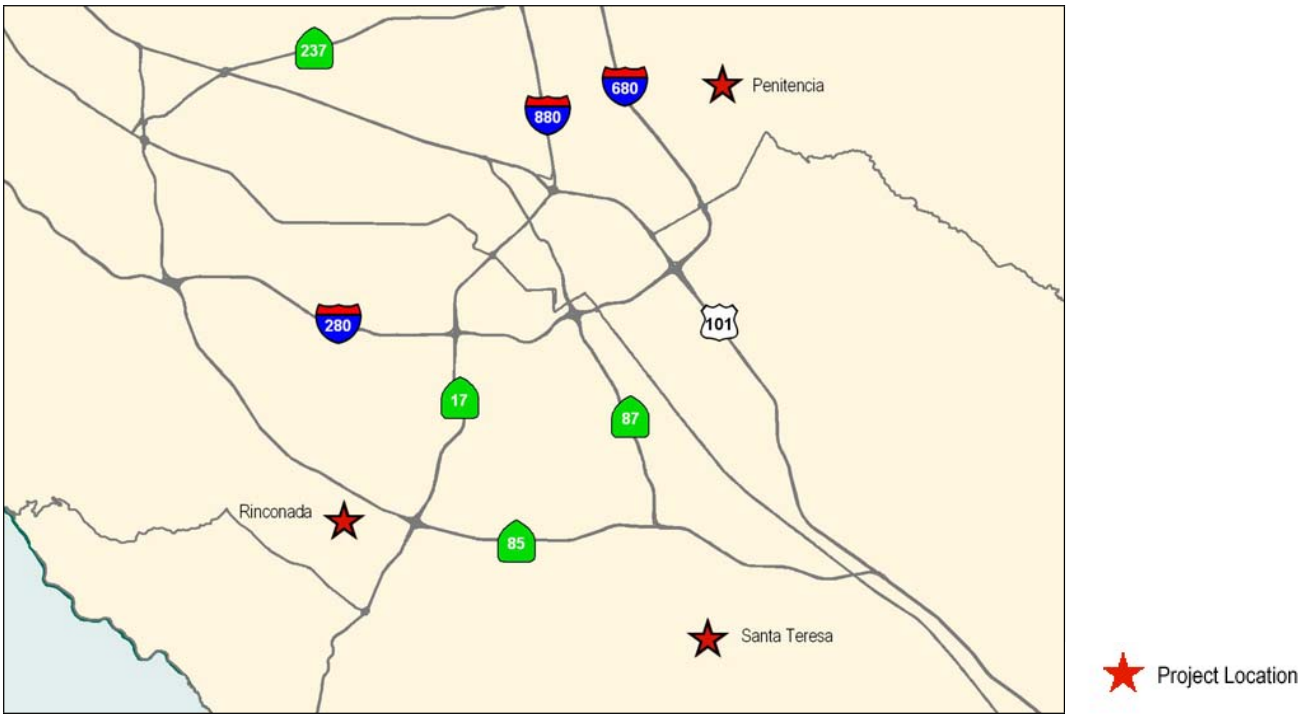
Picture Not Available

PROJECT DESCRIPTION

This project implements improvements to the District's Information Systems to accomplish the following objectives.

- Implement Supervisor Control and Data Acquisition (SCADA) Systems Cyber Security Improvements.
- Reduce risk to SCADA systems.
- Isolate SCADA systems from potential software virus infections.
- Secure a data tunnel that is provided by a firewall, where communication with District network is required.
- Reduce the risk to SCADA computer systems through prevention and detection.

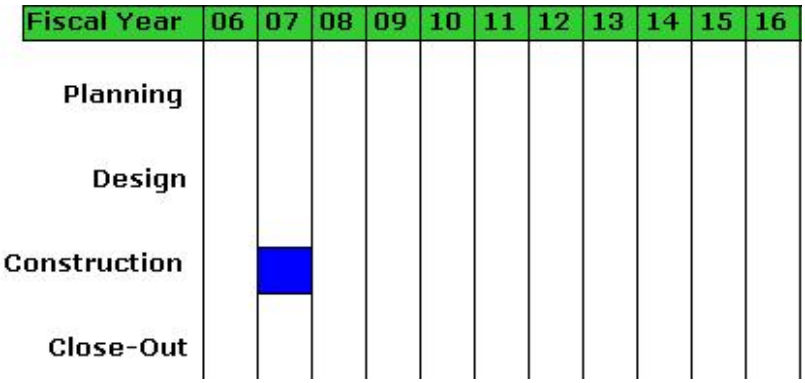
PROJECT LOCATION



PROJECT SCHEDULE

July 2006 to June 2007

Implementation is shown in the Construction Phase.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Water Treatment Plants SCADA Security	0	0	400	0	0	0	0	0	398
with inflation	0	0	412	0	0	0	0	0	410

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Water Treatment Plants SCADA Security	0	0	0	412	0	0	0	0	0	412

FUNDING SOURCES

(in thousands $)

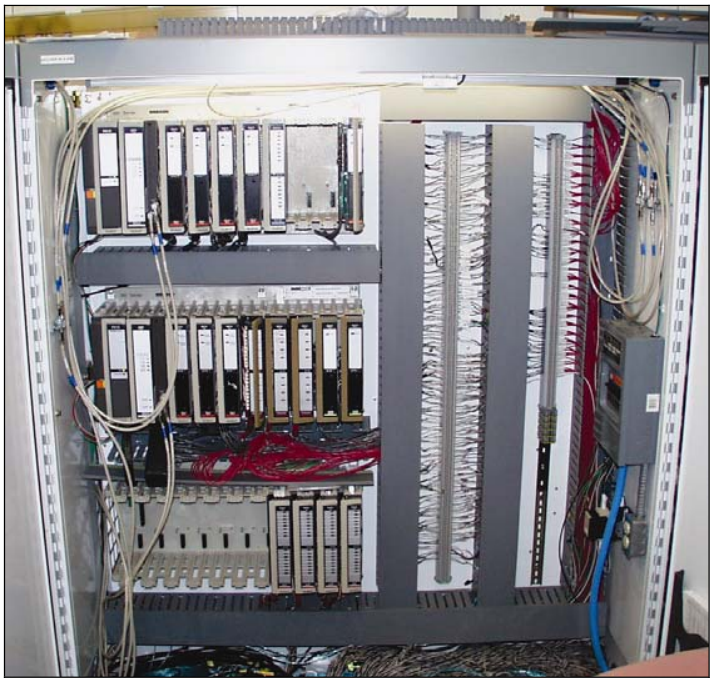
SCVWD Water Utility Enterprise Fund	412
Other Funding Source	0
Total	412

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $79,000 per year.

USEFUL LIFE: Not Available

Project	Water Treatment Plants SCADA Upgrades
Program	Water Supply – Treatment
Priority No.	40
Project No.	93084009
District Contact	Gary Kawaoka gkawaoka@valleywater.org



This Penitencia Water Treatment Plant control system Programmable Logic Controller & IO cabinet is to be upgraded.

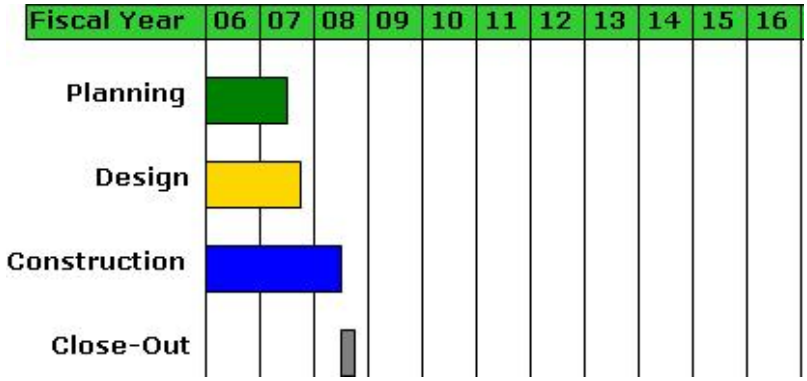
PROJECT DESCRIPTION

This project upgrades and replaces obsolete Supervisory Control and Data Acquisition (SCADA) control systems hardware and software at the District's three water treatment plants to accomplish the following objectives:

- Meet new hardware and software requirements of Treated Water Improvement Plan Stage 2 improvements.
- Provide real-time data collection capability and graphical interface features.

PROJECT LOCATION

PROJECT SCHEDULE
July 2003 to March 2008



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Water Treatment Plants SCADA Upgrades	995	320	1,220	325	0	0	0	0	2,860
with inflation	995	320	1,257	345	0	0	0	0	2,916

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Water Treatment Plants SCADA Upgrades	2,334	528	1,547	0	54	0	0	0	0	2,916

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	2,916
Other Funding Source	0
Total	2,916

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 10+ Years

Project	Water Treatment Plants Security Improvement
Program	Water Supply – Treatment
Priority No.	50
Project No.	94084005
District Contact	Gary Kawaoka gkawaoka@valleywater.org

Security inspection of vehicles entering Penitencia Water Treatment Plant.

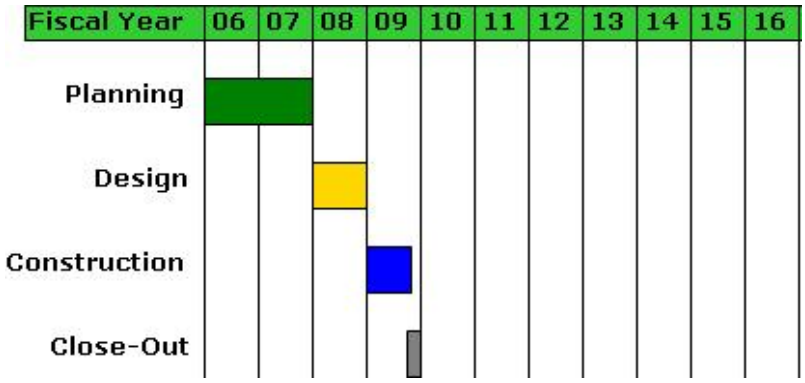
PROJECT DESCRIPTION

This project plans, designs, and constructs security modifications at the District's Water Utility facilities, in response to a security vulnerability assessment completed in 2003, to improve security and reduce terrorist threats to water service reliability.

PROJECT LOCATION

This project will construct security improvements at the District's three water treatment plans and other Water Utility facilities. No project map is provided.

PROJECT SCHEDULE
July 2003 to June 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Water Treatment Plants Security Improvement	16	2	572	2,000	2,000	987	0	0	5,577
with inflation	16	2	589	2,122	2,185	1,111	0	0	6,025

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Water Treatment Plants Security Improvement	590	0	572	17	2,122	2,185	1,111	0	0	6,025

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	6,025
Other Funding Source	0
Total	6,025

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available

Recycled Water Facilities

- 4 Source Plants
- 1 Pipeline
- 4 Capital Projects

Recycled Water Facilities Project Pages

Project	Recycled Water Advanced Treatment Facility
Program	Water Supply – Recycled Water
Priority No.	43
Project No.	91184008
District Contact	Keith Whitman kwhitman@valleywater.org

Typical recycled water advanced treatment plant

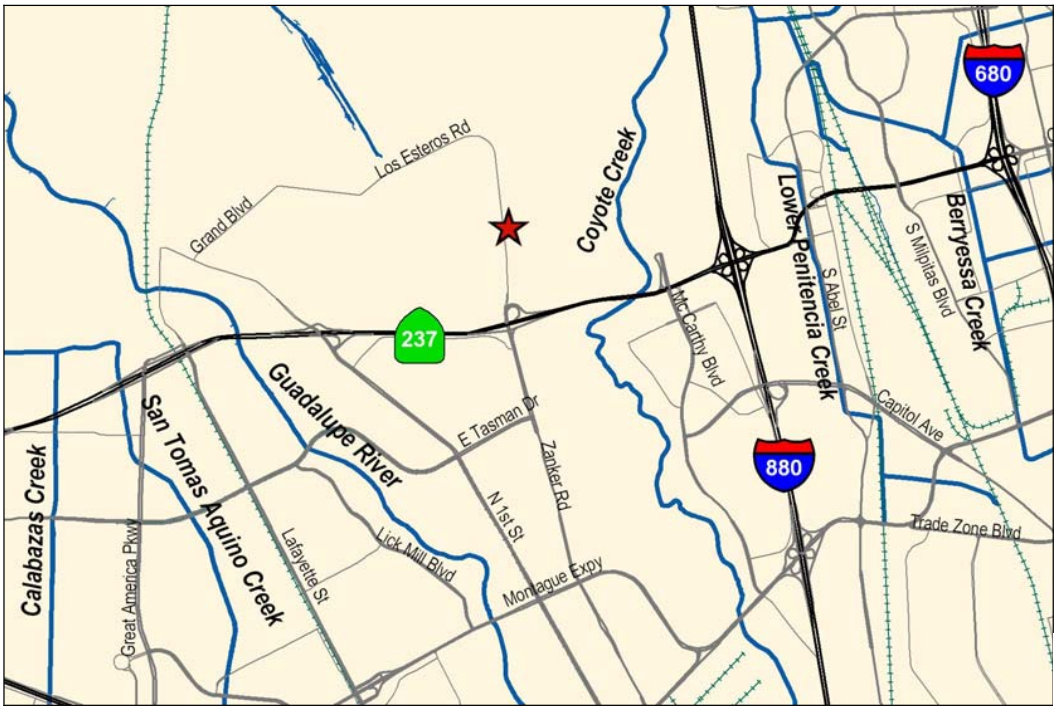
PROJECT DESCRIPTION

This project plans, designs, and constructs a 5-mgd (million-gallon-per-day) Recycled Water Advanced Treatment Facility within the footprint of the South Bay Water Recycling's Water Pollution Control Plant in San Jose, to accomplish the following objectives:

- Protect existing baseline recycled water customers.
- Improve recycled water quality.
- Allow for expansion of recycled water over sensitive County groundwater basins.
- Pursue future groundwater recharge and re-use to meet future water supply needs.
- Meet Board policies on recycled water targets of 5% and 10% by years 2010 and 2020 respectively.

The project is currently funded for the planning and design phases only. The scope, schedule, costs and funding sources of the construction phase will be determined at the completion of the planning and design phases.

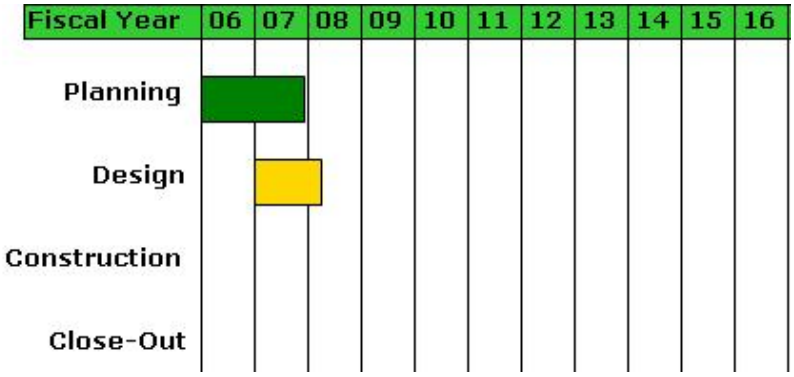
PROJECT LOCATION



PROJECT SCHEDULE

January 2004 to September 2007

(Planning and Design Phases Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Recycled Water Advanced Treatment Facility	173	20	2,000	900	0	0	0	0	3,093
with inflation	173	20	2,060	955	0	0	0	0	3,208

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Recycled Water Advanced Treatment Facility	957	2,138	2,902	0	113	0	0	0	0	3,208

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,208
Other Funding Source	0
Total	3,208

OPERATING COST IMPACTS

Planning and Design Phases Only: The completion of these phases of the project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 40+ Years

Project	**Recycled Water South County Masterplan Implementation**
Program	Water Supply – Recycled Water
Priority No.	17
Project No.	91094007S
Oversight Mgr.	Keith Whitman kwhitman@valleywater.org

Recycled water purple pipeline waiting to be laid during construction of Immediate Term project.

PROJECT DESCRIPTION

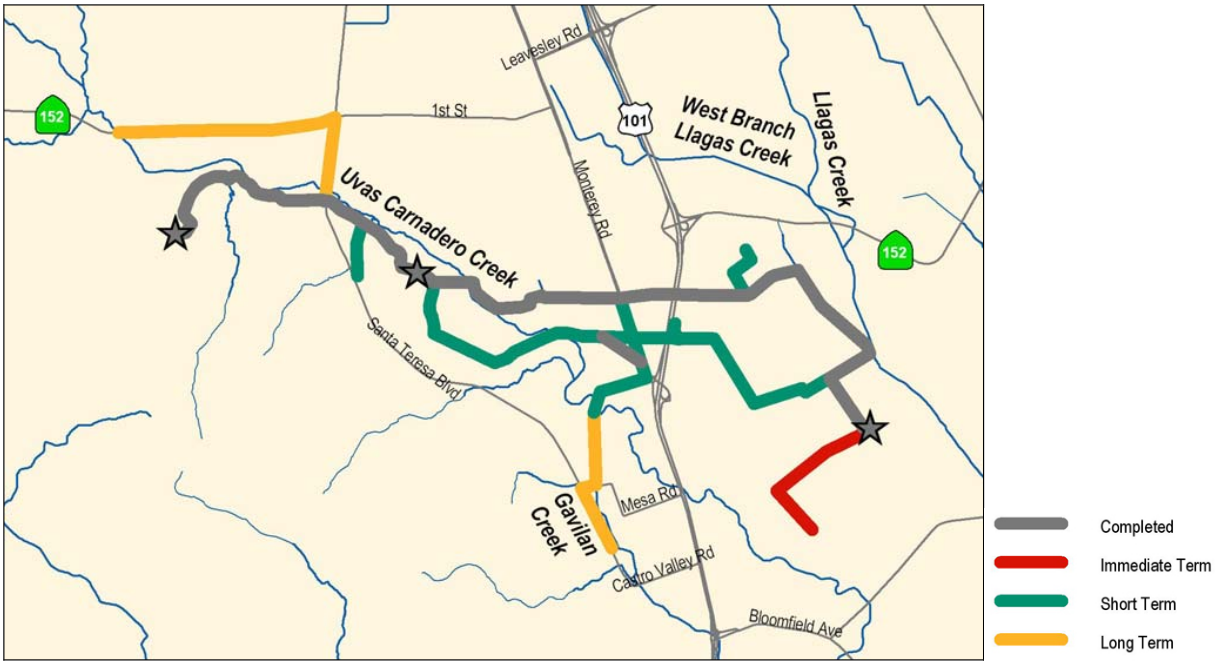
This project plans, designs, and constructs water recycling systems based on the South County Recycled Water Authority (SCRWA) Master Plan report that the District and SCRWA Boards accepted in December 2004 to operate and expand the South County Recycled Water System.

The Master Plan report presents a 20-year capital program for expanding water recycling in South County in three phases; Immediate Term, Short Term, and Long Term:

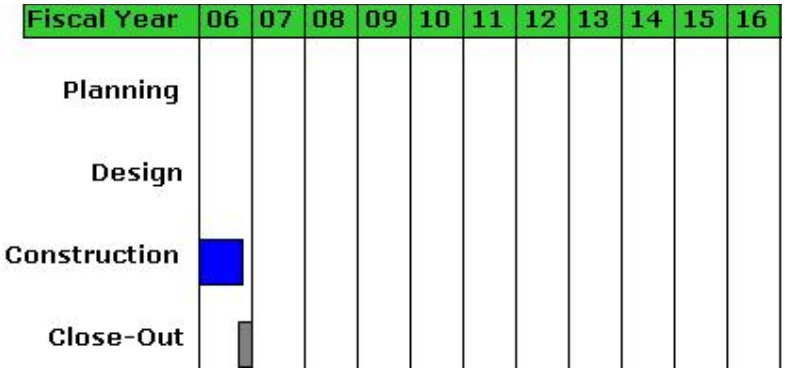
- Gilroy Pipelines (Immediate Term) includes design and construction of recycled water storage, pumping, and distribution facilities for agricultural use near the SCRWA treatment plant (91094007).
- Gilroy Pipelines and Reservoir (Short Term) constructs about 42,000 feet of 16- to 30-inch pipelines from the SCRWA treatment plant along Southside Drive and Luchessa Avenue to the Glen Loma development, and a 3-million-gallon storage reservoir (91C40218).
- Gavilan, Hecker Pass, and Morgan Hill Scalping Plant (Long Term) consists of pipeline extensions of the Gilroy sports Park to serve the Gavilan College area, additional distribution piping in the Hecker Pass area, a Morgan Hill scalping plant and 2-mgd expansion of the booster pump station (91C40219).

The project is funded for immediate term only. The scope, schedule, costs, and funding sources for the short-term and long-term projects will be determined pending Board consideration of alternatives for responding to financial constraints.

PROJECT LOCATION



PROJECT SCHEDULE
July 2005 to June 2006



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Recycled Water South County Masterplan, Immediate Term	0	3,224	0	0	0	0	0	0	3,224
with inflation	0	3,224	0	0	0	0	0	0	3,224

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Recycled Water South County Masterplan, Immediate Term	0	3,224	0	0	0	0	0	0	0	3,224

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	3,224
Other Funding Source	0
Total	3,224

OPERATING COST IMPACTS
Estimated District share of the operating and maintenance costs are $8,000 per year.

USEFUL LIFE: Not Available

Project	Recycled Water South County System Improvements
Program	Water Supply – Recycled Water
Priority No.	18
Project No.	91094004S
Oversight Mgr.	Keith Whitman kwhitman@valleywater.org

Retaining wall piles for 1.5-million-gallon recycled water reservoir above Eagle Ridge Golf Course.

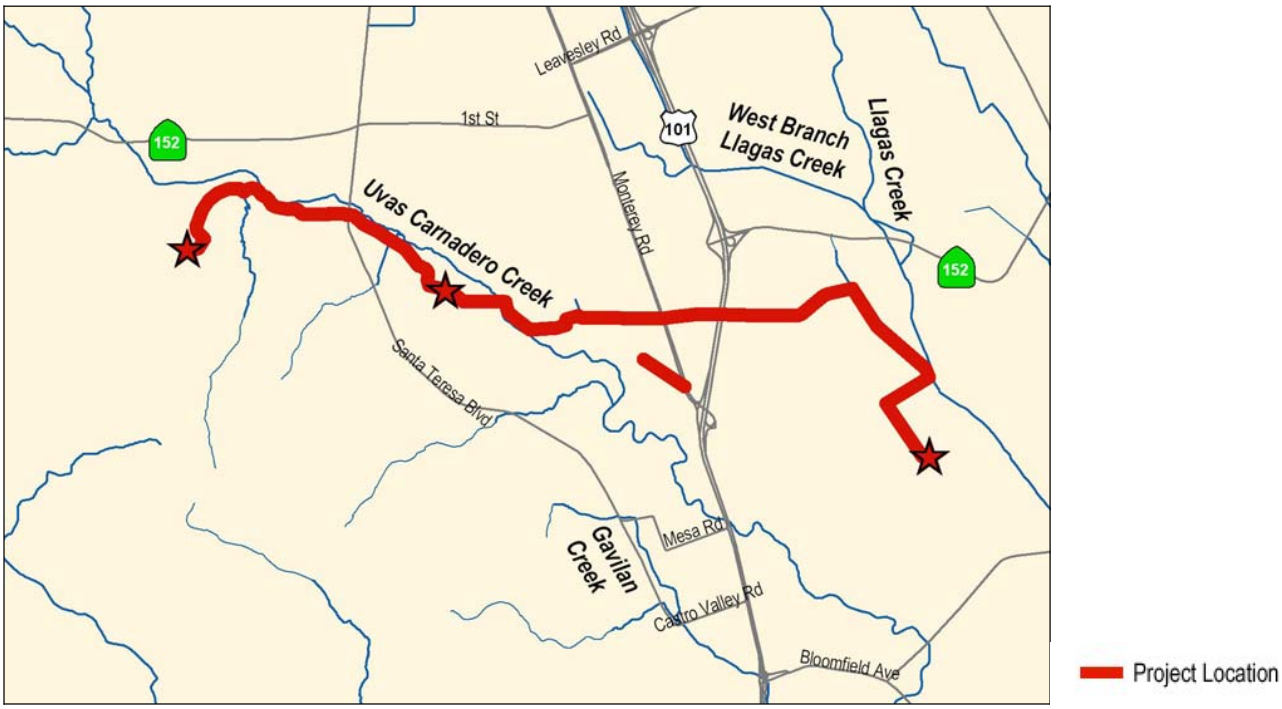
PROJECT DESCRIPTION

This project plans, designs, and constructs four water recycling projects that fulfill the District's partnership agreements with the South County Recycled Water Authority (SCRWA), to operate and expand the South County Recycled Water System.

The four projects are:

- Booster Pump at Christmas Hill Park (91094004)
- Reservoir at Eagle Ridge Golf Course (91094004)
- Gilroy Sports Park water line extension (91094004)
- Rehabilitation of existing 8-mile-long, 12-inch-diameter pipeline (91094006 - Complete)

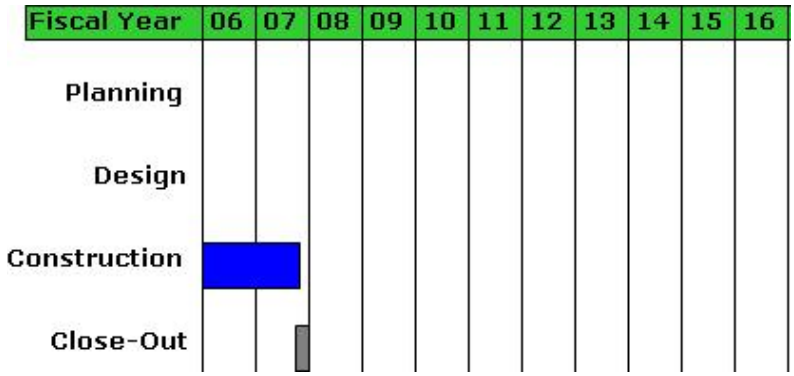
PROJECT LOCATION



PROJECT SCHEDULE

June 1998 to June 2007

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Recycled Water at Christmas Hill, Eagle Ridge, and Gilroy Sports Park	7,063	9	155	0	0	0	0	0	7,227
with inflation	7,063	9	160	0	0	0	0	0	7,232
Recycled Water Pipeline Rehabilitation	1,721	0	0	0	0	0	0	0	1,721
with inflation	1,721	0	0	0	0	0	0	0	1,721
TOTAL	**8,784**	**9**	**155**	**0**	**0**	**0**	**0**	**0**	**8,948**
with inflation	**8,784**	**9**	**160**	**0**	**0**	**0**	**0**	**0**	**8,953**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Recycled Water at Christmas Hill, Eagle Ridge, and Gilroy Sports Park	7,232	0	160	0	0	0	0	0	0	7,232
Recycled Water Pipeline Rehabilitation	1,721	0	0	0	0	0	0	0	0	1,721
TOTAL	**8,953**	**0**	**160**	**0**	**0**	**0**	**0**	**0**	**0**	**8,953**

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	8,953
Other Funding Source	0
Total	**8,953**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $61,000 per year.

USEFUL LIFE: 40+ Years

Project	Water Efficient Demonstration Garden
Program	Water Supply – Recycled Water
Priority No.	20
Project No.	91154006
District Contact	Keith Whitman kwhitman@valleywater.org

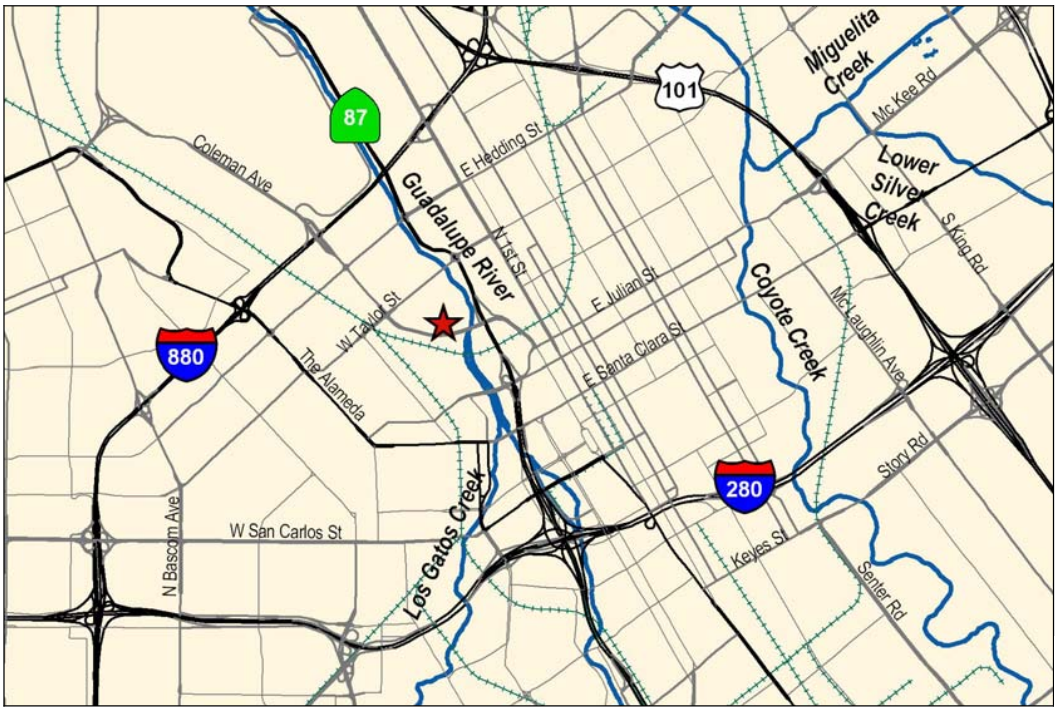
Proposed site for the District's Water Efficient Demonstration Garden, within Guadalupe Gardens in San Jose

PROJECT DESCRIPTION

This project designs and constructs improvements to approximately 1 acre of the Guadalupe Gardens, located at the northern portion of the site, extending from Seymour Street to Hobson Street, near Coleman Avenue, to accomplish the following:

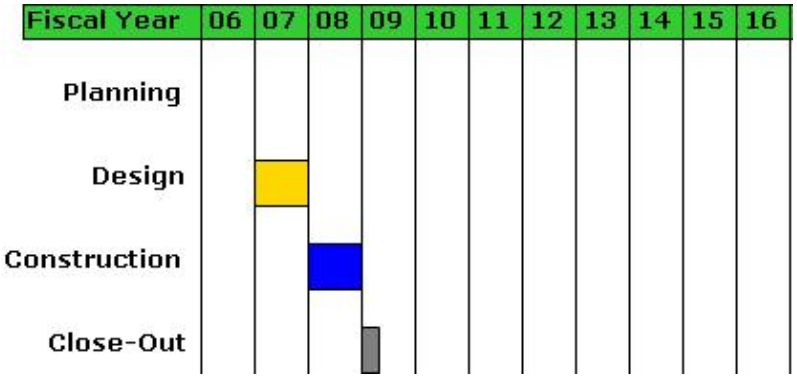
- Design and develop a demonstration garden that promotes water use efficiency in landscaping.
- Create an educational resource, test facility, and learning center that provide environmentally sound and cost-effective landscaping alternatives.
- Educate the general public on the use of water wise plants, while promoting efficient irrigation technologies and recycled water.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2006 to October 2008



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Water Efficient Demonstration Garden	0	0	251	1,490	53	0	0	0	1,794
with inflation	0	0	259	1,581	58	0	0	0	1,897

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Water Efficient Demonstration Garden	0	0	0	259	1,581	58	0	0	0	1,897

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	1,751
Department of Water Resources	146
Total	1,897

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $50,000 per year.

USEFUL LIFE: Not Available

FLOOD PROTECTION CAPITAL IMPROVEMENTS

FLOOD PROTECTION OVERVIEW

The District manages approximately 800 miles of creeks in Santa Clara County to meet the Board's Ends Policy E–2.2, "There is a reduced potential for flood damages." The 800 miles of creeks are located in five watersheds, Lower Peninsula, West Valley, Guadalupe, Coyote, and Uvas/Llagas. The District administers an asset management program for its flood protection infrastructure. The program includes a schedule for maintenance and rehabilitation to ensure that each facility functions as intended over its useful life.

Fifty years of working for flood protection has reduced the intensity and frequency of flooding in Santa Clara County. The voters in Santa Clara County have supported the District's flood protection efforts by approving benefit assessment funding in 1982, 1986, and 1990.

In 2000, voters approved a special tax to fund the continuation of the District's flood protection capital improvements, specifically, moving upstream from the completed downstream work or starting new work on creeks that have not had flood protection work.

Lower Peninsula Watershed

Major Capital Improvements Completed

- Adobe Creek from Highway101 to Edith Avenue
- Barron Creek
- Matadero Creek from Palo Alto Flood Basin to Barron Creek
- Palo Alto Flood Basin
- Stevens Creek from Highway 101 to Homestead Road

Major Capital Improvements Identified in the CIP

- Adobe Creek continuing upstream from completed work at Edith Avenue to Interstate 280
- Permanente Creek from S.F. Bay to Foothill Expressway (Clean Safe Creeks project)
- San Francisquito Creek from S.F. Bay to Searsville Dam (Clean Safe Creeks project)

West Valley Watershed

Major Capital Improvements Completed

- Calabazas Creek from Guadalupe Slough to Miller Avenue
- San Tomas Creek from Southern Pacific Railroad to Cabrillo Avenue
- Saratoga Creek from San Tomas Creek to Lawrence Expressway

Major Capital Improvements Identified in the CIP

- Calabazas Creek continuing upstream from completed work at Miller Avenue to Wardell Road (Clean Safe Creeks project)
- Sunnyvale East Channel from Guadalupe Slough to Interstate 280 (Clean Safe Creeks project)
- Sunnyvale West Channel from Guadalupe Slough to Highway 101 (Clean Safe Creeks project)

Guadalupe Watershed

Major Capital Improvements Completed

- Alamitos Creek
- Guadalupe River–Lower from Alviso Marina to Interstate 880 (substantially complete)
- Guadalupe River–Downtown from Interstate 880 to Interstate 280 (substantially complete)

Major Capital Improvements Identified in the CIP

- Guadalupe River–Upper from Interstate 280 to Blossom Hill Road (Clean Safe Creeks project)

Coyote Watershed

Major Capital Improvements Completed

- Coyote Creek from S.F. Bay to Montague Expressway
- Lower Penitencia Creek from Coyote Creek to Tasman Drive
- Lower Silver Creek from Coyote Creek to Interstate 680
- Wrigley Ford Creek

Major Capital Improvements Identified in the CIP

- Berryessa Creek from Lower Penitencia Creek to Calaveras Boulevard
- Berryessa Creek from Calaveras Boulevard to Old Piedmont Road (Clean Safe Creeks project)
- Coyote Creek continuing upstream from completed work at Montague Expressway to Interstate 280 (Clean Safe Creeks project)
- Upper Penitencia Creek from Coyote Creek to Dorel Drive

FLOOD PROTECTION CAPITAL IMPROVEMENTS

Uvas/Llagas Watershed

Major Capital Improvements Completed

- Llagas Creek–Lower from Pajaro River to Buena Vista Road
- Uvas Creek

Major Capital Improvements Identified in the CIP

- Llagas Creek–Upper continuing upstream from completed work at Buena Vista Road to Wright Avenue (Clean Safe Creeks project)

Priority Process and Financial Analysis

A rigorous priority setting process was conducted to ensure that the funded flood protection projects reflect the Board's priorities. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for flood protection capital improvements was conducted to determine if there are limitations to funding all of the proposed capital projects.

- Five Watershed Funds
- Clean Safe Creeks Fund
- Watershed Stream Stewardship Fund

Results of this year's prioritization process and financial analysis are summarized in Appendix B. The process concluded that the capital needs funded by the Clean Safe Creeks Fund and Watershed Stream Stewardship Fund can be met; however, capital needs funded by the five watershed funds are larger than the revenue capacity of these funds. Funding for several high priority projects were either not included or partially included, due to the limitations of the five watershed funds. It is anticipated that funding needs to implement these projects could be significant.

The following partially funded or unfunded projects are of major concerns to meet the Board's Ends Policy E–2.2, "There is a reduced potential for flood damages."

Lower Peninsula Watershed – Partially Funded

- San Francisquito Creek from S. F. Bay to Searsville Dam (planning and design phases)

Coyote Watershed – Partially Funded

- Coyote Creek from Montague Expressway to Interstate 280 (planning & design phases, and partial construction)
- Thompson Creek Stream Stabilization from Quimby Road to Aborn Road (coordination with Corps of Engineers)
- Upper Penitencia Creek from Coyote Creek to Dorel Drive (planning phase)

Coyote Watershed – Not Funded

- Lower Silver Creek from Highway 680 to Lake Cunningham (not funded)

Uvas/Llagas Watershed – Not Funded

- Llagas Creek Capacity Restoration Highway 152 to Pajaro River

Multiple Watersheds – Partially Funded

- San Francisco Bay Shoreline Project (planning phase)

FLOOD PROTECTION CAPITAL IMPROVEMENTS

The following table is a project funding schedule for flood protection capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the page number identified. The chart also identifies partially funded projects and estimated unspent appropriations from FY 2005-06.

Flood Protection - Funded Projects

Pg #	Project Name	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total District
	LOWER PENINSULA WATERSHED										
III-7	Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-12)	21,146	147	1,983	247	2,360	186	79	110	84	24,357
III-9	Matadero/Barron Creek Remediation, Palo Alto Flood Basin to Alma Street	24,323	0	2,277	0	0	0	0	0	0	24,323
III-11	Permanente Creek, San Francisco Bay to Foothill Expressway	10,284	662	282	995	1,848	1,639	7,327	3,773	20,640	47,168
III-13	San Francisquito Creek, San Francisco Bay through Searsville Dam	4,000	0	1,795	0	0	0	5,556	2,666	6,000	18,223
	WEST VALLEY WATERSHED										
III-17	Calabazas Creek, Bollinger Bridge	2,201	935	2,064	0	483	0	0	0	0	3,619
III-19	Calabazas Creek, Capacity Improvement	2,000	0	721	2,446	642	0	0	0	0	5,088
III-21	Calabazas Creek, Miller Avenue to Wardell Road	1,426	3,259	141	1,471	1,500	1,296	8,480	7,187	15,128	39,747
III-23	San Tomas Creek, Quito Road Bridges Replacement	696	0	279	0	0	0	0	0	0	696
III-25	Sunnyvale East Channel, Guadalupe Slough to Interstate 280	0	0	0	0	0	0	1,554	1,601	29,659	32,814
III-27	Sunnyvale West Channel, Guadalupe Slough to Highway 101	0	344	0	1,054	701	739	1,558	1,606	0	6,002
	GUADALUPE WATERSHED										
III-31	Guadalupe River–Lower, Alviso Marina to Interstate 880	80,064	3,429	9	754	482	104	79	0	0	84,912
III-33	Gudadlupe River–Downtown, Interstate 880 to Interstate 280	98,888	5,461	2,214	86	1,075	109	678	0	0	106,297
III-35	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	34,955	2,471	12,751	7,967	16,525	10,501	1,173	4,397	27,191	105,180
	COYOTE WATERSHED										
III-39	Babb/Piedmont/Los Coches Creeks, Channel Rehabilitation	0	0	0	0	0	989	2,863	720	0	4,572
III-41	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	4,531	927	1,882	516	3,553	9,315	1,013	0	451	20,307
III-43	Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard	12,720	0	7,596	0	0	0	4,941	4,137	12,700	34,499

Partially funded (Funded portion shown)

FY 2005-06 Funds to be reappropriated

Flood Protection - Funded Projects (continued)

Pg #	Project Name	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total District
	COYOTE WATERSHED										
III-45	Coyote Creek, Montague Expressway to Interstate 280	6,903	0	2,909	0	2,216	1,052	1,023	1,307	25,793	38,293
III-47	Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)	78,053	0	1,342	0	120	0	0	0	0	78,173
III-49	Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	2,255	0	2,115	0	0	51	140	0	0	2,446
III-51	Upper Penitencia Creek, Coyote Creek to Dorel Drive	14,210	0	4,447	543	220	0	0	0	0	14,973
	UVAS/LLAGAS WATERSHED										
III-55	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	11,432	96	3,932	15	994	546	338	290	0	13,710
	MULTIPLE WATERSHEDS										
III-59	San Francisco Bay Shoreline	1,697	1,753	0	2,040	3,226	2,181	624	0	0	11,521
	Total	**411,784**	**19,484**	**48,739**	**18,134**	**35,943**	**28,709**	**37,425**	**27,795**	**137,645**	**716,919**

Partially funded (Funded portion shown)

FY 2005-06 Funds to be reappropriated

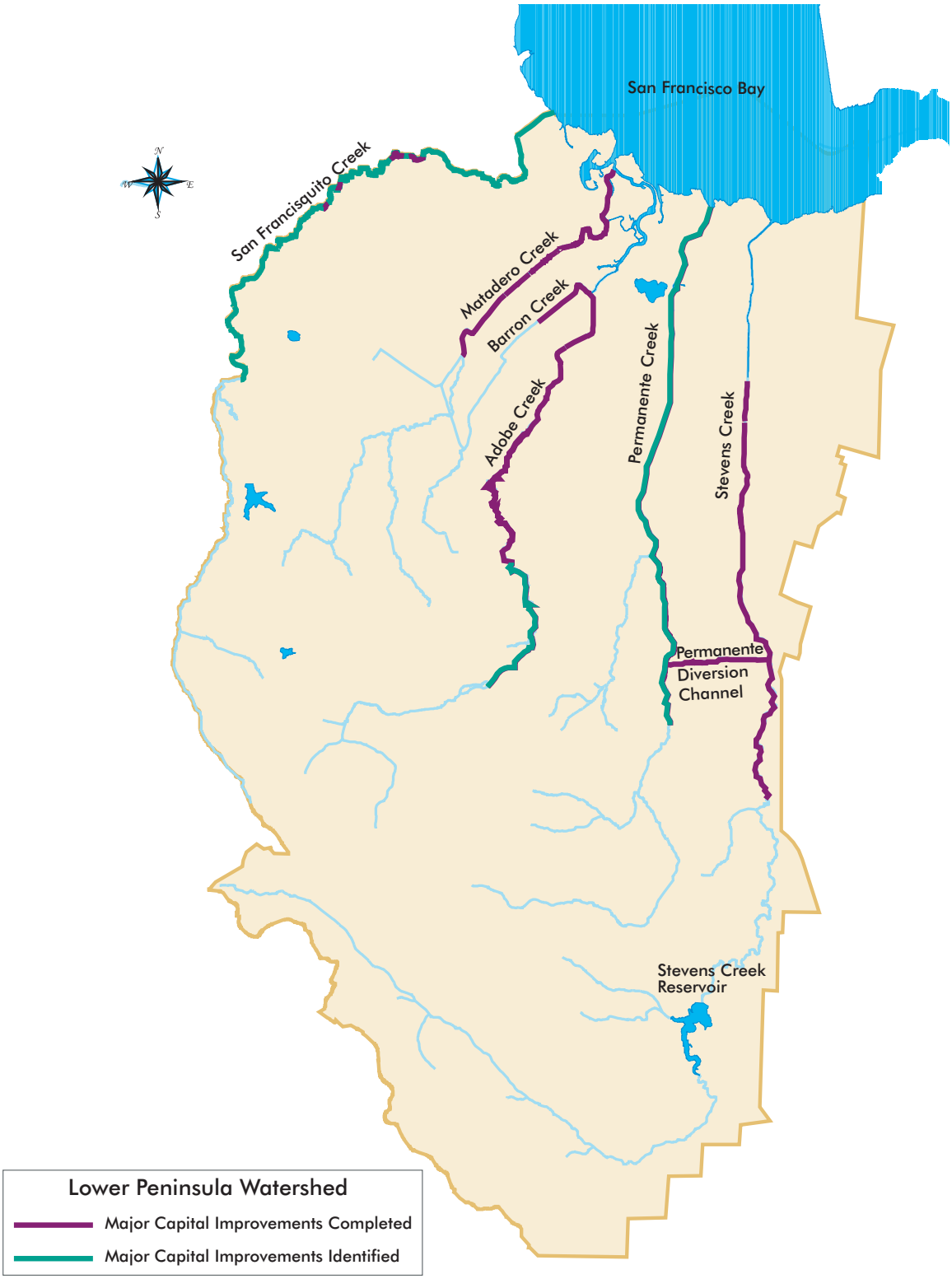
The following table shows funding requirements from each funding source for flood protection capital improvements.

Flood Protection - Funding Sources

Funding Sources	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
Lower Peninsula Watershed Fund	60,552	1,247	6,337	1,752	3,423	731	4,891	110	84	72,790
West Valley Watershed Fund	5,196	1,373	3,064	2,956	1,932	545	156	0	0	12,158
Guadalupe Watershed Fund	179,251	9,328	2,223	1,350	2,363	758	913	0	0	193,964
Coyote Watershed Fund	105,282	438	13,385	1,053	1,147	545	5,097	4,137	12,700	130,401
Uvas/Llagas Watershed Fund	0	0	0	0	0	0	0	0	0	0
Clean, Safe Creeks and Natural Flood Protection Fund	59,247	7,097	21,615	11,023	27,079	25,089	23,366	22,827	124,861	300,589
Watershed Stream Stewardship Fund	2,255	0	2,115	0	0	1,040	3,003	720	0	7,018
Total	**411,784**	**19,484**	**48,739**	**18,134**	**35,943**	**28,709**	**37,425**	**27,795**	**137,645**	**716,919**

FY 2005-06 Funds to be reappropriated

FLOOD PROTECTION CAPITAL IMPROVEMENTS



Lower Peninsula Watershed Project Pages

Project	**Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)**
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	32
Project No.	10104001S
District Contact	Katherine Oven koven@valleywater.org

Adobe Creek, approximately 1,000 feet upstream of El Camino Real. Invert stabilization structure constructed in 2005.

PROJECT DESCRIPTION

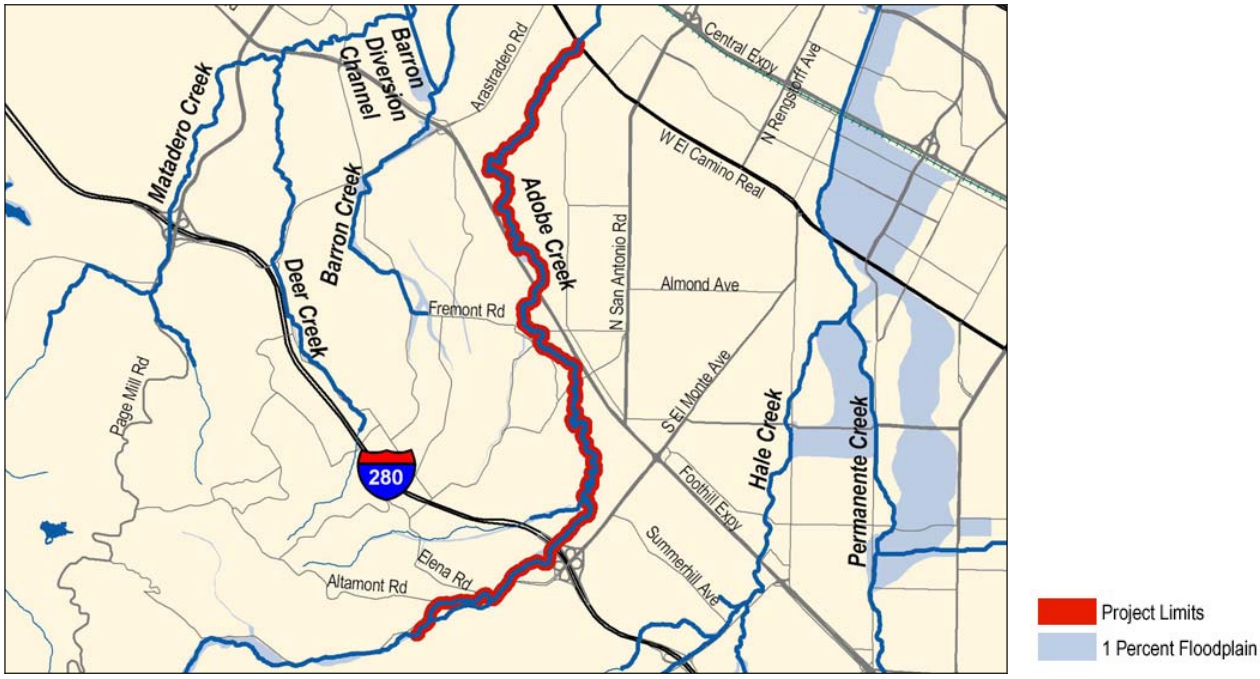
This project plans, designs, and constructs improvements along Adobe Creek, El Camino Real to Rhus Ridge, to accomplish the following objectives:

- Provide protection against flooding and erosion.
- Improve sediment transport.
- Protect and enhance the creek ecosystem.
- Provide for fish passage.

This project is accounted for in the following job numbers:

10104001—Planning Study, from El Camino Real to Rhus Ridge (completed)
10104009—Reach 1-4, from El Camino Real to Foothill Expressway (completed)
10104005—Reach 5 from Foothill Expressway to West Edith (completed)
10104011—Upper Reach 5 Restoration
10104008—Reach 7–9 from Burke Road to Interstate 280
10104007—Reach 11–13 from Foothill College to Rhus Ridge (on hold pending Board direction)

PROJECT LOCATION

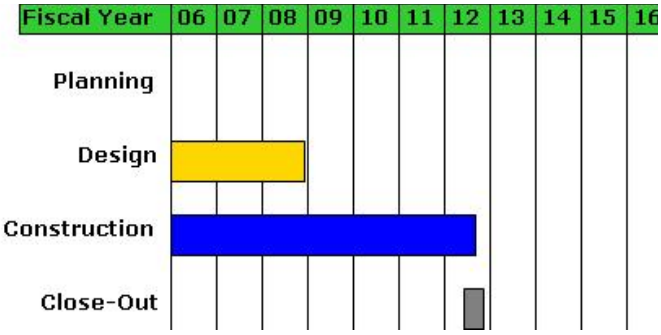


PROJECT SCHEDULE

July 1991 to April 2012

Planning phase is complete.

Construction includes 3 years of plant establishment monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Adobe Ck, Planning Study	3,199	0	0	0	0	0	0	0	3,199
with inflation	3,199	0	0	0	0	0	0	0	3,199
Adobe Ck, El Camino-Foothill Exp (R1-4)	9,642	148	0	0	0	0	0	0	9,790
with inflation	9,642	148	0	0	0	0	0	0	9,790
Adobe Ck, Foothill-W. Edith (R5)	3,107	21	0	0	0	0	0	0	3,128
with inflation	3,107	21	0	0	0	0	0	0	3,128
Adobe Ck, Upper, Restoration (R5)	874	900	850	2,005	50	50	75	50	4,854
with inflation	874	900	876	2,127	55	56	87	60	5,034
Adobe Ck, Burke-Hwy 280 (R7-9)	1,287	0	0	1,420	120	20	20	20	2,887
with inflation	1,287	0	0	1,506	131	23	23	24	2,994
Adobe Ck, Foothill Col-Rhus Rdg (R11-13)	132	0	0	0	0	0	0	0	132
with inflation	132	0	0	0	0	0	0	0	132
TOTAL	**18,241**	**1,069**	**850**	**3,425**	**170**	**70**	**95**	**70**	**23,990**
with inflation	**18,241**	**1,069**	**876**	**3,634**	**186**	**79**	**110**	**84**	**24,277**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Adobe Ck, Planning Study	3,199	0	0	0	0	0	0	0	0	3,199
Adobe Ck, El Camino-Foothill Exp (R1-4)	9,643	147	0	0	0	0	0	0	0	9,790
Adobe Ck, Foothill-W. Edith (R5)	3,208	0	80	0	0	0	0	0	0	3,208
Adobe Ck, Upper, Restoration (R5)	2,403	0	629	247	2,127	55	56	87	60	5,034
Adobe Ck, Burke-Hwy 280 (R7-9)	2,561	0	1,274	0	232	131	23	23	24	2,994
Adobe Ck, Foothill Col-Rhus Rdg (R11-13)	132	0	0	0	0	0	0	0	0	132
TOTAL	**21,146**	**147**	**1,983**	**247**	**2,360**	**186**	**79**	**110**	**84**	**24,357**

Adjusted Budget includes Adopted Budget plus approved Budget Adjustments through April 2006.
The total planned expenditure is $80,000 less than the available project funding. The unspent budget will be returned to reserves at the end of FY 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund	24,278
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Program)	79
Total	**24,357**

OPERATING COST IMPACTS

Operating budget impacts from the construction of this project are expected to be insignificant. The project will repair several erosion sites to reduce maintenance needs, but will not affect overall sediment removal or vegetation control practices.

USEFUL LIFE: 30+ Years

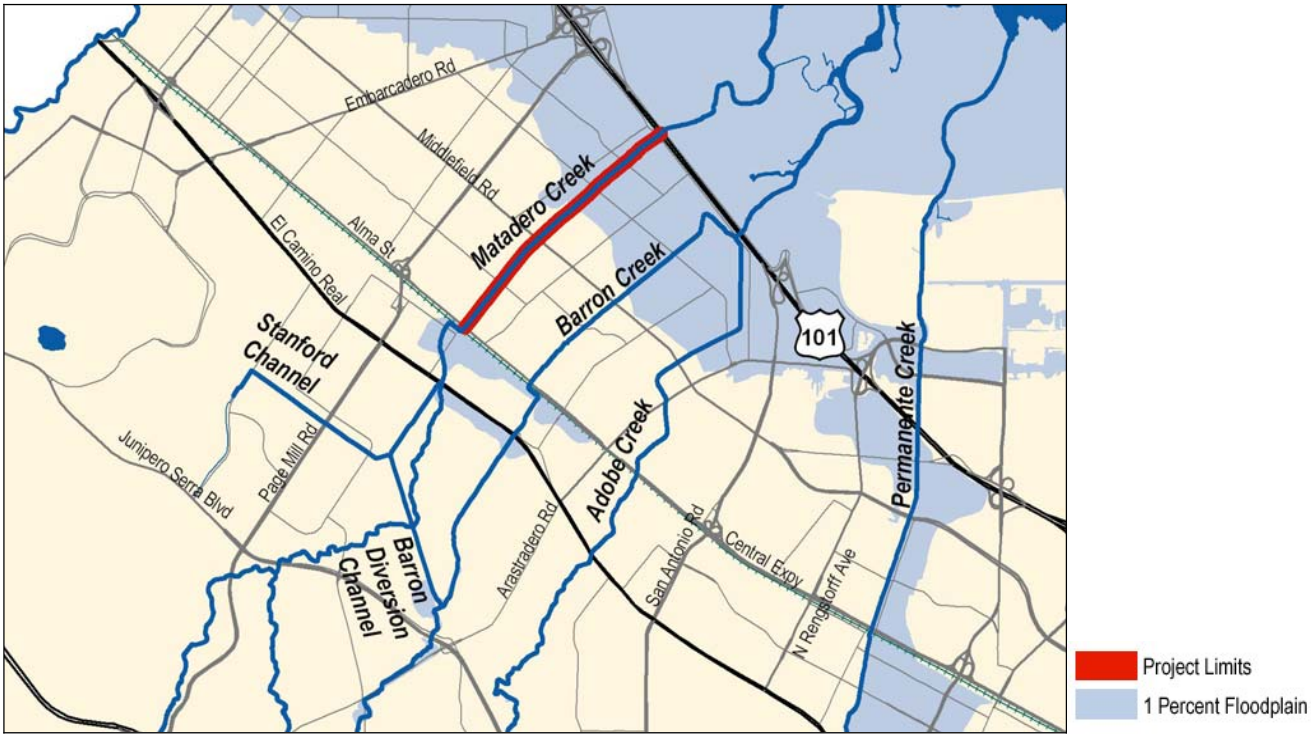
Project	Matadero/Barron Creek Remediation, Palo Alto Flood Basin to Alma Street
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	69
Project No.	10214009
Oversight Mgr.	Katherine Oven koven@valleywater.org

Matadero Creek, looking downstream from East Bayshore Road, showing bypass channel entrance

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately 1.9 miles of Matadero Creek from the Palo Alto Flood Basin to Alma Street. This will provide one-percent flood protection with adequate freeboard to approximately 4,000 parcels along Matadero and Barron Creeks between Palo Alto Flood Basin and Foothill Expressway.

PROJECT LOCATION

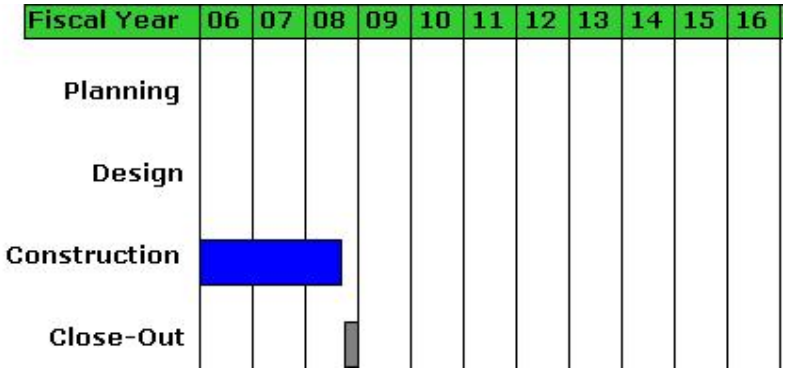


PROJECT SCHEDULE

March 1999 to June 2008

Construction and mitigation planting completed in February 2005. Construction Phase includes three years of plant establishment monitoring.

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Matadero/Barron Creek Remediation, Palo Alto Flood Basin to Alma Street	21,801	245	70	190	0	0	0	0	22,306
with inflation	21,801	245	72	202	0	0	0	0	22,320

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Matadero/Barron Creek Remediation, Palo Alto Flood Basin to Alma Street	24,323	0	2,277	0	0	0	0	0	0	24,323

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.
The total planned expenditure is $2,003,000 less than the available project funding. The unspent budget will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund	24,323
Other Funding Source	0
Total	**24,323**

OPERATING COST IMPACTS

This project includes a bypass channel near the Palo Alto Flood Basin. The bypass channel will be maintained routinely to remove sediment and vegetation. The completion of this project is anticipated to increase operating costs by approximately $30,000 per year.

USEFUL LIFE: 30+ Years

Project	**Permanente Creek, San Francisco Bay to Foothill Expressway**
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	48
Project No.	10244001S
District Contact	Katherine Oven koven@valleywater.org

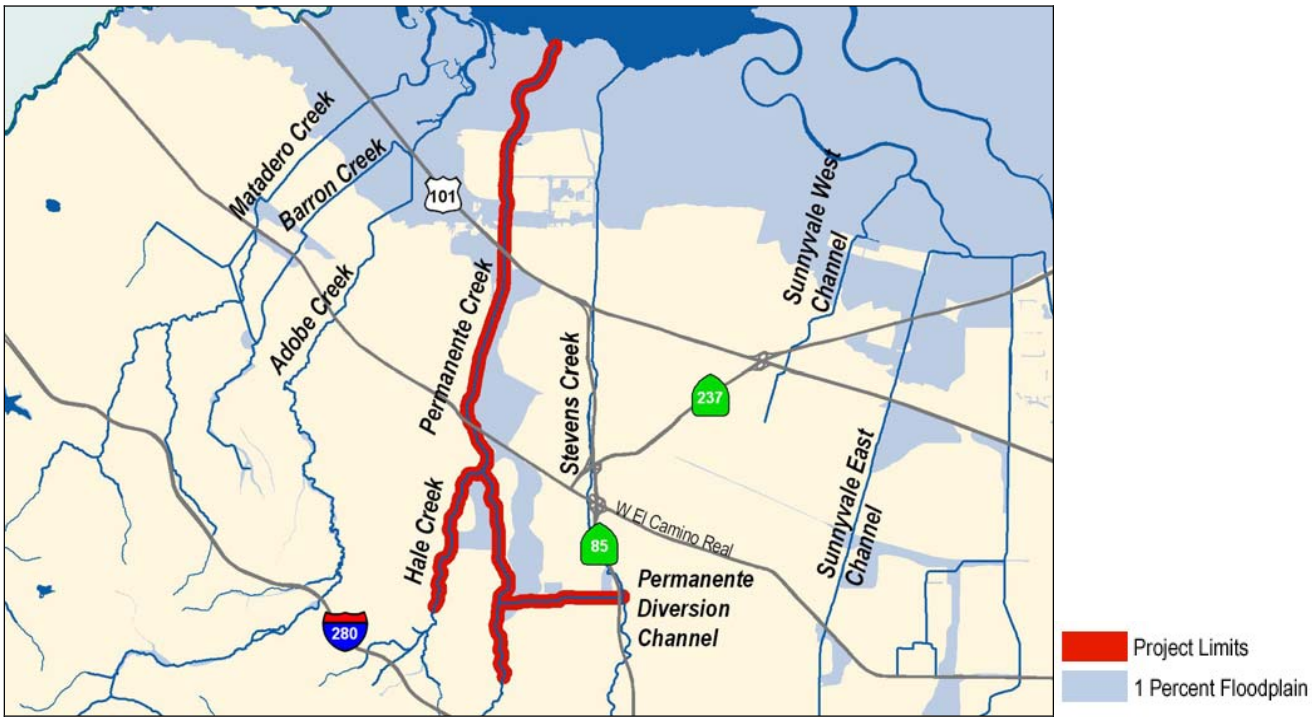
Permanente Creek, looking upstream at the golf course foot bridge

PROJECT DESCRIPTION

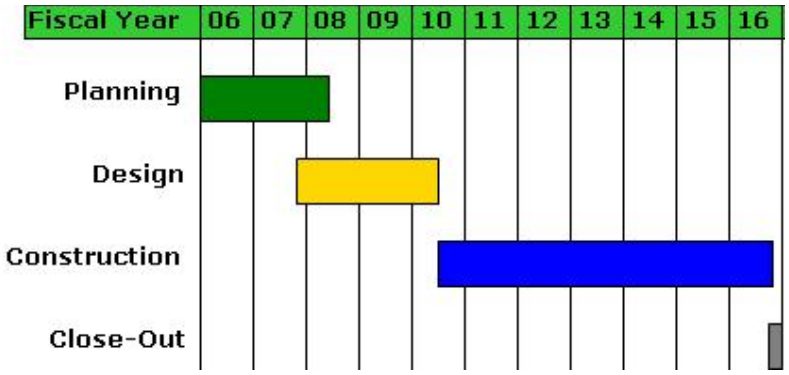
This project plans, designs, and constructs improvements along 10.6 miles of Permanente Creek, from San Francisco Bay to Foothill Expressway, Hale Creek from Foothill Expressway to its confluence with Permanente Creek, and the diversion structure between Permanente and Stevens Creeks, to accomplish the following objectives:

- Provide flood protection to 1,664 parcels, including Middlefield Road and Central Expressway.
- Reduce erosion and sedimentation, reduce maintenance costs, and improve safety and stability of the failing channel on Permanente Creek from the San Francisco Bay to Foothill Expressway.
- Provide environmental restoration and enhancement benefits, where opportunities exist.
- Provide recreation enhancements, where opportunities exist.
- Provide natural flood protection by taking a multiple-objective approach.

PROJECT LOCATION



PROJECT SCHEDULE
July 2001 to June 2016



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Permanente Creek, Bay to Foothill Expressway	8,553	2,111	1,240	1,742	1,500	6,510	3,255	16,279	41,190
with inflation	8,553	2,111	1,277	1,848	1,639	7,327	3,773	20,640	47,169

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Permanente Creek, Bay to Foothill Expwy – Lower Peninsula Fund	10,284	662	282	995	257	0	0	0	0	12,198
Permanente Creek, Bay to Foothill Expwy – Clean Safe Creeks Fund	0	0	0	0	1,591	1,639	7,327	3,773	20,640	34,971
TOTAL	10,284	662	282	995	1,848	1,639	7,327	3,773	20,640	47,169

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES
(in thousands $)

SCVWD Lower Peninsula Fund	12,198
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	34,971
Total	47,169

OPERATING COST IMPACTS
Operating cost impacts from the construction of this project are expected and will be developed during the planning study.

USEFUL LIFE: 30+ Years

Project	**San Francisquito Creek, San Francisco Bay through Searsville Dam**
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	66
Project No.	10284007S
District Contact	Beau Goldie bgoldie@valleywater.org

San Francisquito Creek, looking downstream from the Waverly Street Bicycle Bridge between Middlefield Road and El Camino

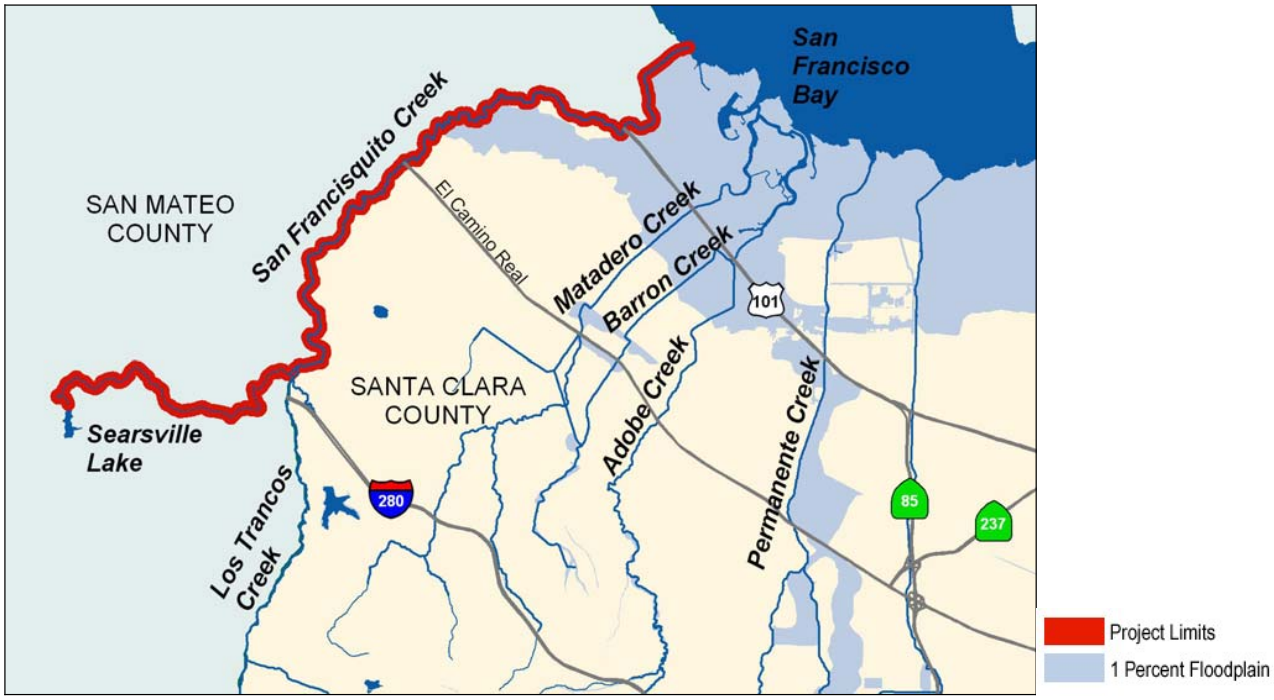
PROJECT DESCRIPTION

This project provides coordination and support to the San Francisquito Joint Powers Authority, in partnership with the U.S. Army Corps of Engineers, to complete planning and design documents for the approved project alternative on San Francisquito Creek, from San Francisco Bay through Searsville Dam, to accomplish the following objectives:

- Provide flood protection.
- Reduce bank erosion and sedimentation-related impacts along San Francisquito Creek.
- Avoid potential adverse impacts on fish and wildlife habitats.
- Minimize impacts to the creek's environmental resources and restore the riparian corridor where feasible.
- Develop public support for the preferred alternative.

This project is funded through the planning and design phases only. The scope, schedule, costs, and funding sources of the construction phase will be determined pending Board consideration of alternatives.

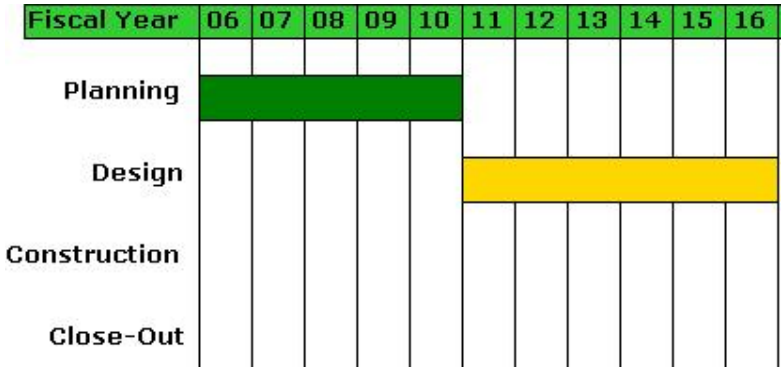
PROJECT LOCATION



PROJECT SCHEDULE

July 2004 to June 2016

(Planning & Design Phases Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
San Francisquito Creek, SF Bay through Searsville Dam	5	2,200	510	520	590	5,002	2,300	4,900	16,027
with inflation	5	2,200	525	552	645	5,630	2,666	6,000	18,223

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
San Francisquito Creek, SF Bay through Searsville Dam – Lower Peninsula Fund	4,000	0	1,795	0	0	0	4,656	0	0	8,656
San Francisquito Creek, SF Bay through Searsville Dam – Clean Safe Creeks Fund	0	0	0	0	0	0	900	2,666	6,000	9,567
TOTAL	4,000	0	1,795	0	0	0	5,556	2,666	6,000	18,223

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund	8,656
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	9,567
Total	18,223
Federal - U.S. Army Corps of Engineers	3,000
County of San Mateo	1,500

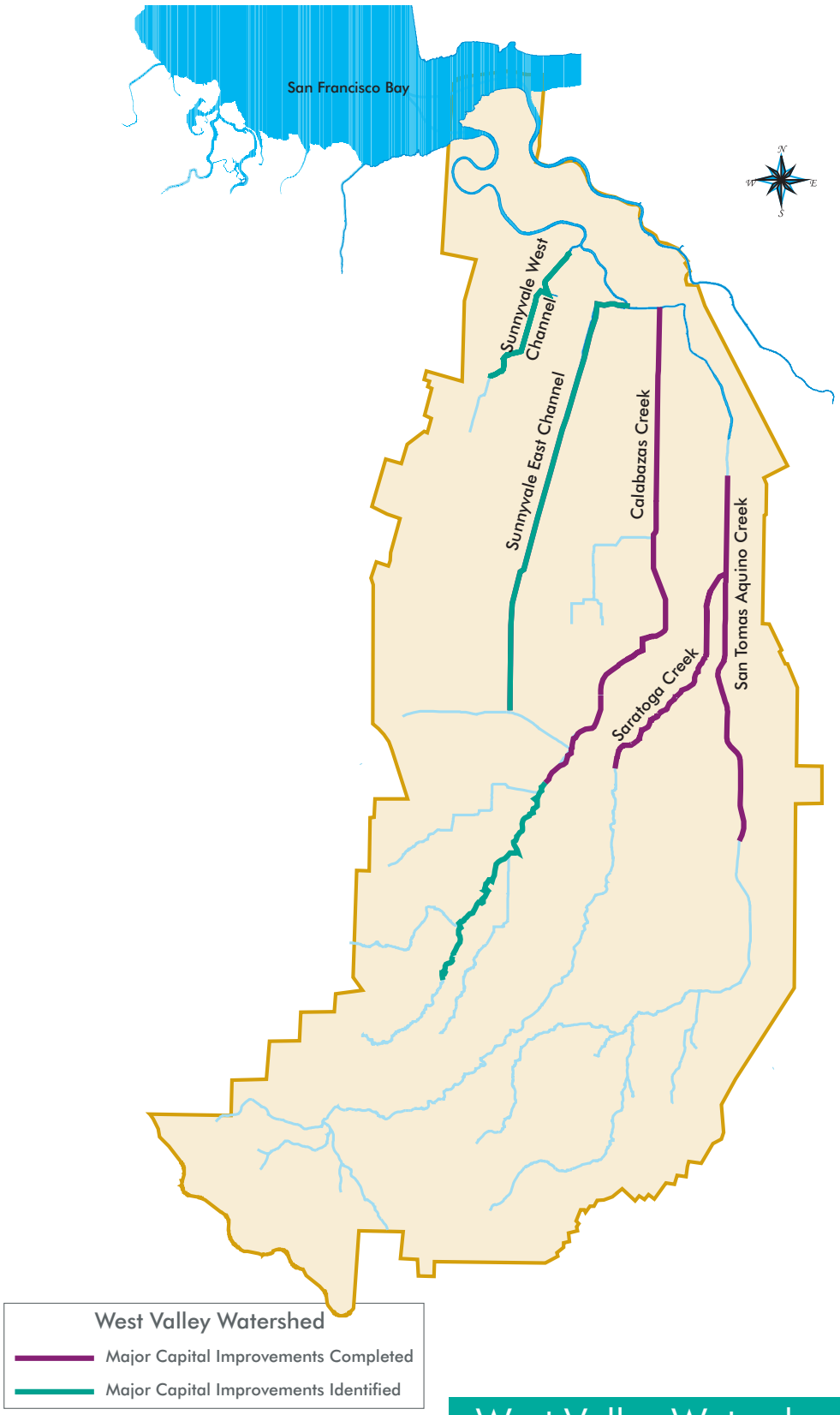
County and Corps participation are for Feasibility Study activities only. Additional funding will be negotiated during subsequent phases.

OPERATING COST IMPACTS

Planning and Design Phases Only: The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 30+ Years

FLOOD PROTECTION CAPITAL IMPROVEMENTS



West Valley Watershed Project Pages

Project	Calabazas Creek, Bollinger Bridge
Program	Natural Flood Protection – West Valley Watershed
Priority No.	23
Project No.	20104015
District Contact	Beau Goldie bgoldie@valleywater.org

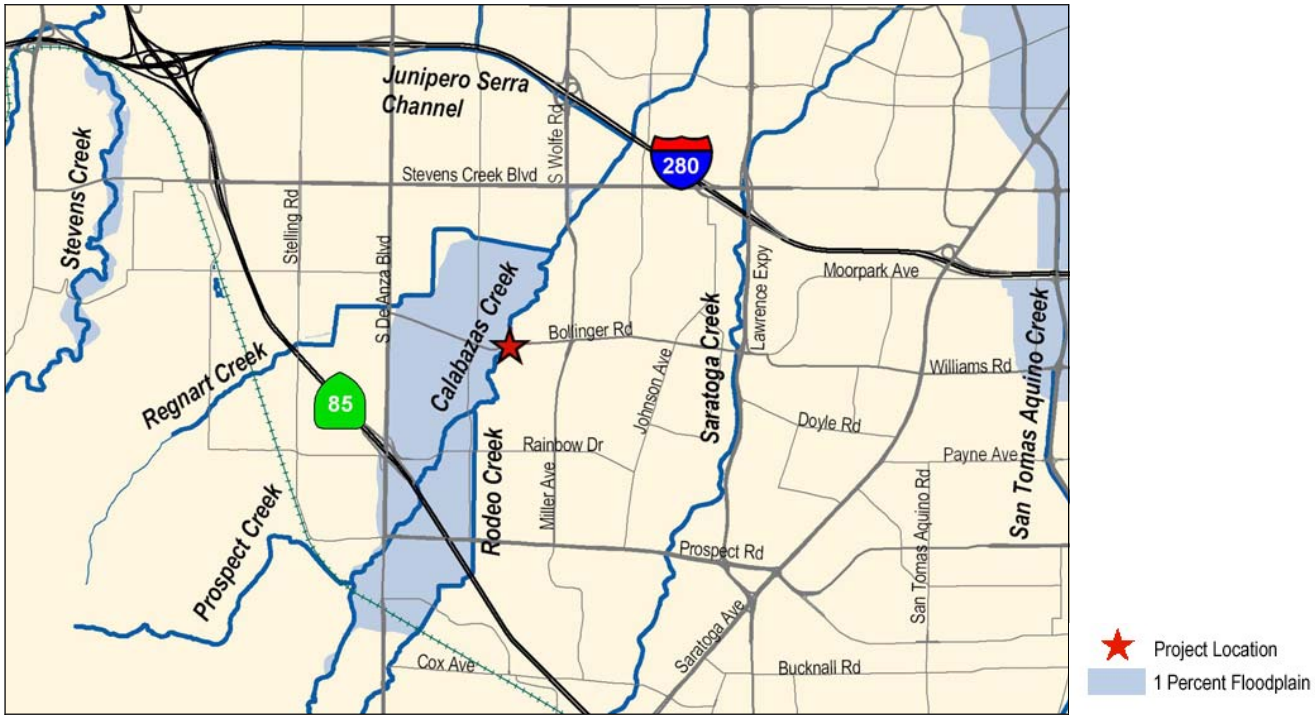
Calabazas Creek at Bollinger Bridge, looking upstream. Road narrows at the bridge. Project will improve pedestrian and bicycle safety.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to Bollinger Bridge at Calabazas Creek, to accomplish the following objectives:

- Provide one-percent flood protection to adjacent residential properties and streets.
- Restore vegetation and habitat.
- Improve traffic and pedestrian capacity.
- Remove failing abandoned bridge structure.

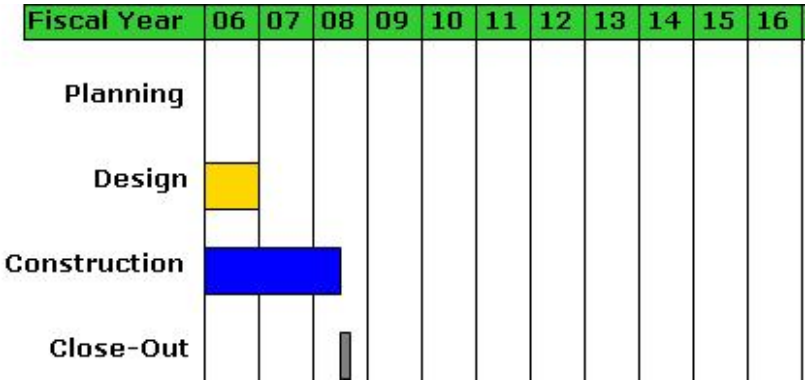
PROJECT LOCATION



PROJECT SCHEDULE

August 2000 to February 2008

Planning phase is complete. Construction phase includes demolition of the old bridge that began in 2005. Award of the construction contract for the new bridge is scheduled for fall 2006.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Calabazas Creek, Bollinger Bridge	886	186	1,409	1,033	0	0	0	0	3,514
with inflation	886	186	1,451	1,096	0	0	0	0	3,619

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Calabazas Creek, Bollinger Bridge	2,201	935	2,064	0	483	0	0	0	0	3,619

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD West Valley Fund	3,619
Other Funding Source	0
Total	3,619

OPERATING COST IMPACTS

The completion of this project is anticipated to increase the operating costs by approximately $15,000 per year.

USEFUL LIFE: 30+ Years

Project	Calabazas Creek, Capacity Improvement
Program	Flood Protection – West Valley Watershed
Priority No.	68
Project No.	20104018
District Contact	Katherine Oven koven@valleywater.org

Calabazas Creek, looking upstream of Pruneridge Avenue. Grade control structures must be constructed to reduce velocities and protect against erosion.

PROJECT DESCRIPTION

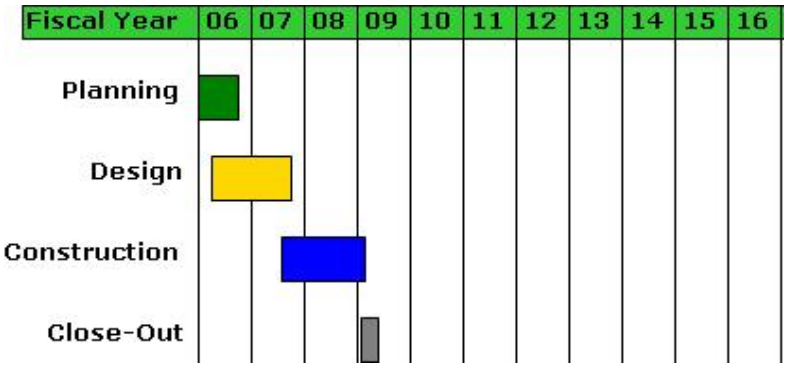
This project plans, designs, and constructs improvements along approximately 2 miles of Calabazas Creek, from Central Expressway to Miller Avenue, to accomplish the following objectives:

- Provide one-percent flood protection to 2,250 parcels.
- Correct invert erosion along Calabazas Creek downstream of Miller Avenue.

PROJECT LOCATION

PROJECT SCHEDULE

January 2005 to November 2008



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Calabazas Creek, Capacity Improvement	53	1,226	3,075	605	0	0	0	0	4,959
with inflation	53	1,226	3,167	642	0	0	0	0	5,088

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Calabazas Creek, Capacity Improvement	2,000	0	721	2,446	642	0	0	0	0	5,088

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD West Valley Fund	5,088
Other Funding Source	0
Total	**5,088**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $25,000 per year.

USEFUL LIFE: 30+ Years

Project	**Calabazas Creek, Miller Avenue to Wardell Road**
Program	Flood Protection – West Valley Watershed
Priority No.	45
Project No.	26104001
District Contact	Katherine Oven koven@valleywater.org

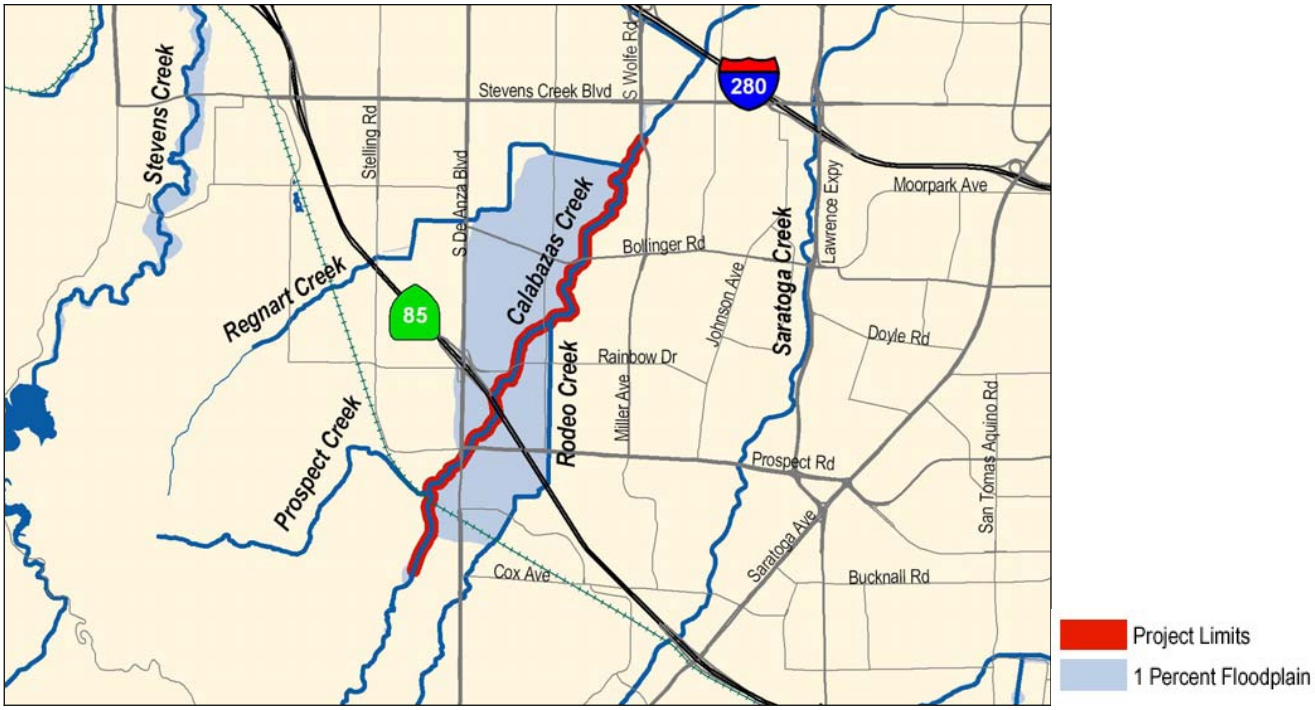
Calabazas Creek overtops its banks in February 1986 near Miller Avenue, flooding neighborhood streets.

PROJECT DESCRIPTION

This project plans, design, and constructs improvements along 3.3 miles of Calabazas Creek from Miller Avenue to Wardell Road to accomplish the following objectives:

- Provide one-percent flood protection on Calabazas Creek from Miller Avenue to Wardell Road.
- Reduce erosion, sedimentation, and maintenance costs.
- Provide environmental restoration and enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.

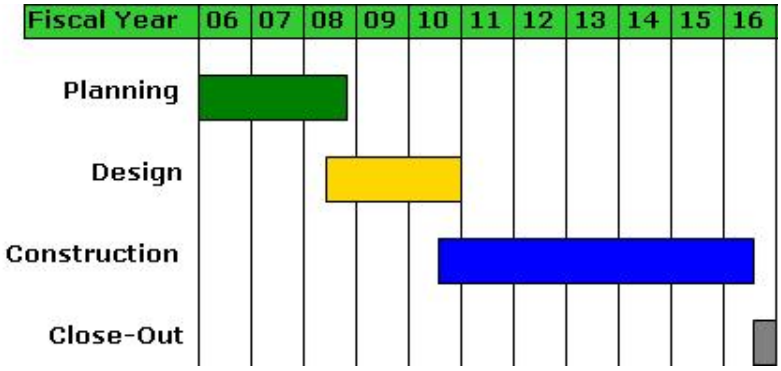
PROJECT LOCATION



PROJECT SCHEDULE

December 2003 to June 2016

Construction Phase includes 3 years of plant establishment monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Calabazas Creek, Miller Ave. to Wardell Rd.	1,285	3,259	1,565	1,414	1,186	7,534	6,200	12,454	34,897
with inflation	1,285	3,259	1,612	1,500	1,296	8,480	7,187	15,128	39,747

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Calabazas Creek, Miller Ave. to Wardell Rd.	1,426	3,259	141	1,471	1,500	1,296	8,480	7,187	15,128	39,747

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	39,747
Other Funding Source	0
Total	39,747

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years

Project	**San Tomas Creek, Quito Road Bridges Replacement**
Program	Flood Protection – West Valley Watershed
Priority No.	41
Project No.	20194005
District Contact	Beau Goldie bgoldie@valleywater.org

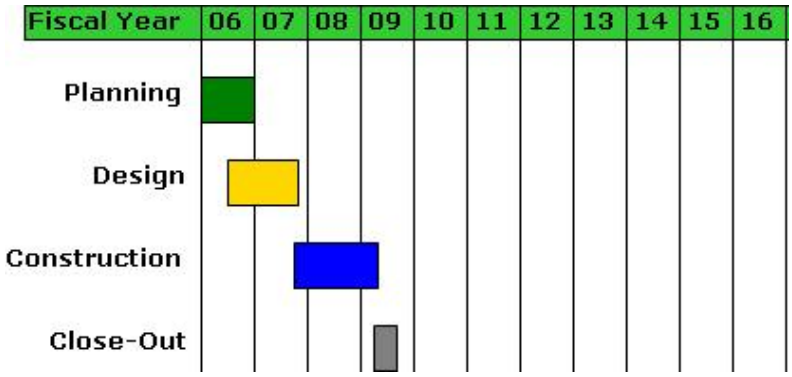
San Tomas Aquino Creek, looking upstream at one of the Quito Road bridge crossings and an adjacent pedestrian footbridge.

PROJECT DESCRIPTION

This project partners with the City of Saratoga, the Town of Los Gatos, and Caltrans to plan, design, and construct two bridge replacements on San Tomas Aquino Creek at Quito Road, to provide one-percent flood protection.

PROJECT LOCATION

PROJECT SCHEDULE
July 2001 to February 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
San Tomas Creek, Quito Road Bridges Replacement	417	0	0	0	0	0	0	0	417
with inflation	417	0	0	0	0	0	0	0	417

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
San Tomas Creek, Quito Road Bridges Replacement	696	0	279	0	0	0	0	0	0	696

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.
The total planned expenditure is $279,000 less than the available project funding. The unspent budget will be returned to reserves at the end of the project.

FUNDING SOURCES
(in thousands $)

SCVWD West Valley Fund	696
Other Funding Source	0
Total	696
City of Saratoga—6.6%	156
Town of Los Gatos—6.6%	156
Highway Bridge Replacement and Rehabilitation Program—CALTRANS—80 %	1,868

OPERATING COST IMPACTS
Operating budget will be unchanged since the facility is owned by the City.

USEFUL LIFE: 30+ Years

Project	**Sunnyvale East Channel, Guadalupe Slough to Interstate 280**
Program	Flood Protection – West Valley Watershed
Priority No.	46
Project No.	26C40232
District Contact	Katherine Oven koven@valleywater.org

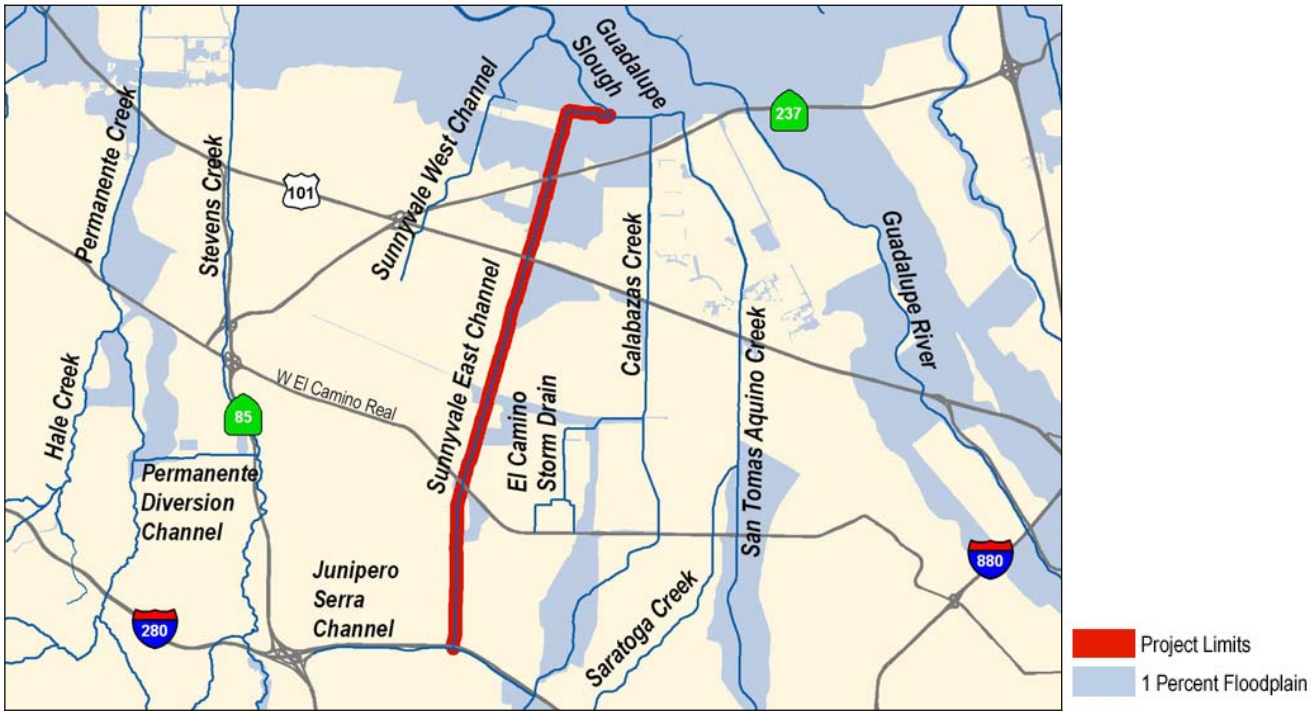
Erosion along the Sunnyvale East Channel

PROJECT DESCRIPTION

This project plans, design, and constructs improvements along approximately 6.4 miles of the Sunnyvale East Channel, from Guadalupe Slough to Interstate 280, to accomplish the following objectives:

- Provide flood protection on Sunnyvale East Channel.
- Provide environmental restoration and enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.
- Reduce erosion and sedimentation.
- Improve water quality.
- Reduce maintenance costs.

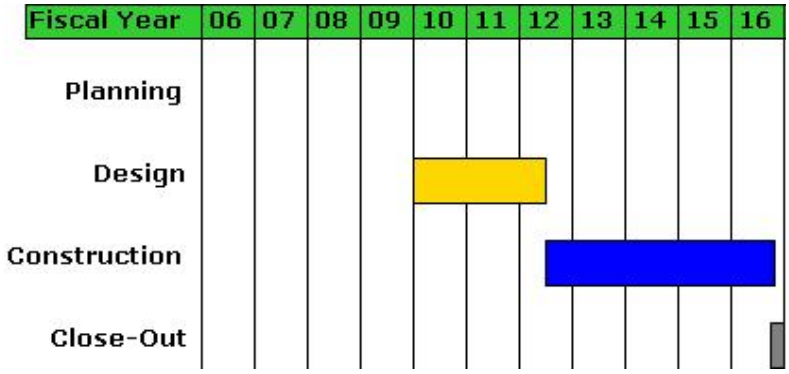
PROJECT LOCATION



PROJECT SCHEDULE

July 2009 to June 2016

Planning Phase to be done with the Sunnyvale West Channel project.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Sunnyvale East Channel, Guadalupe Slough to Interstate 280	0	0	0	0	0	1,381	1,381	23,667	26,429
with inflation	0	0	0	0	0	1,554	1,601	29,659	32,814

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Sunnyvale East Channel, Guadalupe Slough to Interstate 280	0	0	0	0	0	0	1,554	1,601	29,659	32,814

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	32,814
Other Funding Source	0
Total	**32,814**

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years

Project	Sunnyvale West Channel, Guadalupe Slough to Highway 101
Program	Flood Protection – West Valley Watershed
Priority No.	25
Project No.	26074002
District Contact	Katherine Oven koven@valleywater.org

Sunnyvale West flooding upstream of Caribbean Drive in 1983.

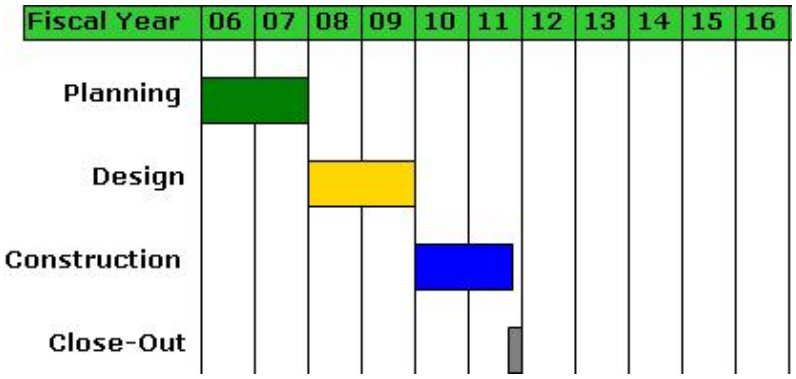
PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on 2.3 miles of the Sunnyvale West Channel, from Guadalupe Slough to Highway 101, to accomplish the following objectives:

- Provide flood protection on Sunnyvale West Channel.
- Provide environmental restoration and enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.
- Reduce erosion and sedimentation.
- Reduce maintenance costs.
- Protect fish and wildlife habitat.

PROJECT LOCATION

PROJECT SCHEDULE
July 2005 to June 2011



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Sunnyvale West Channel, Guadalupe Slough to Hwy. 101	0	344	1,008	676	676	1,384	1,385	0	5,473
with inflation	0	344	1,038	717	739	1,558	1,606	0	6,001

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Sunnyvale West Channel, Guadalupe Slough to Hwy. 101	0	344	0	1,054	701	739	1,558	1,606	0	6,001

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES
(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	6,001
Other Funding Source	0
Total	6,001

OPERATING COST IMPACTS
Operating budget impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years

FLOOD PROTECTION CAPITAL IMPROVEMENTS

Guadalupe Watershed Project Pages

Project	**Guadalupe River–Lower, Alviso Marina to Interstate 880**
Program	Flood Protection – Guadalupe Watershed
Priority No.	88
Project No.	30154011
District Contact	Katherine Oven koven@valleywater.org

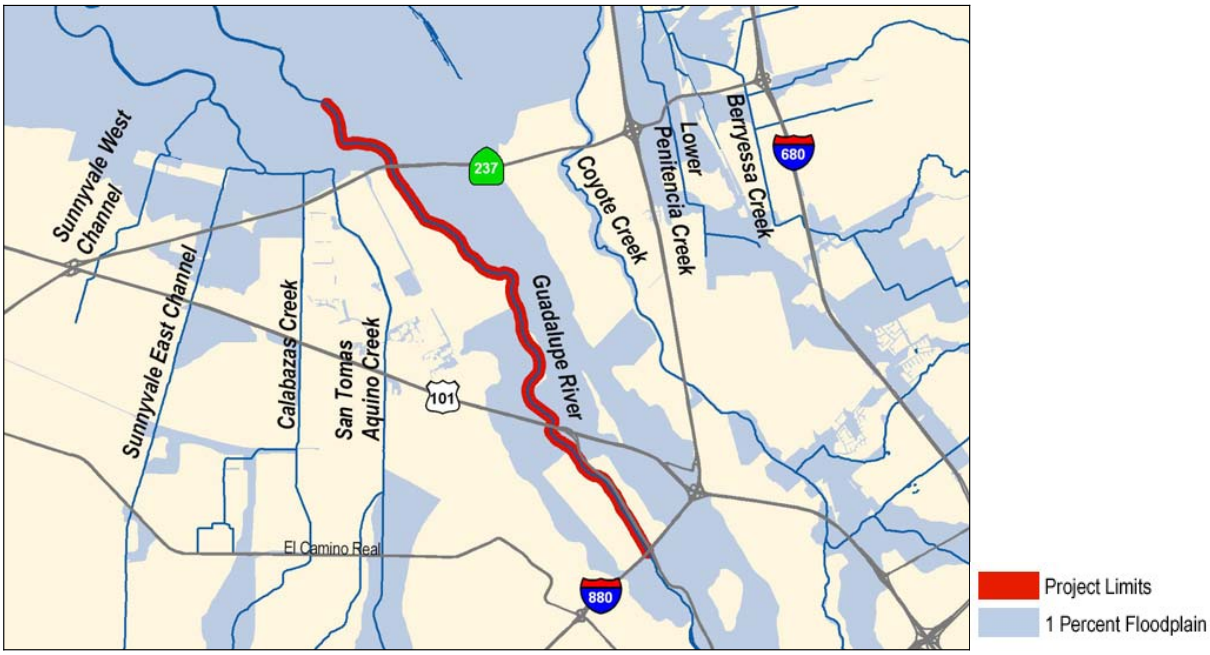
Floodwall construction on Lower Guadalupe River, July 2003

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately 6 miles of lower Guadalupe River, from the Alviso Marina to Interstate 880 to accomplish the following objectives:

- Eliminate the potential for flood damage to people and to property during a one-percent flood event along the lower Guadalupe River.
- Reduce bank erosion and sedimentation-related impacts along the lower Guadalupe River.
- Avoid potential adverse impacts on fish and wildlife habitats.
- Minimize impacts to the creek's environmental resources and restore some of the lost historic functions and value of the riparian corridor where feasible.
- Provide long-term riparian habitat improvement to offset impacts that result from the construction of flood control facilities.
- Provide mitigation for unavoidable adverse impacts on environmental resources.
- Provide opportunities to protect and enhance the existing wetlands and riparian habitat, and improve conditions favoring Chinook salmon and steelhead trout.
- Provide, where possible, continuous maintenance access along the river, which can be used as a trail.
- Identify potential project impacts on Alviso and bayland areas and mitigate for unavoidable adverse impacts.
- Specify best management practices to protect water quality.

PROJECT LOCATION

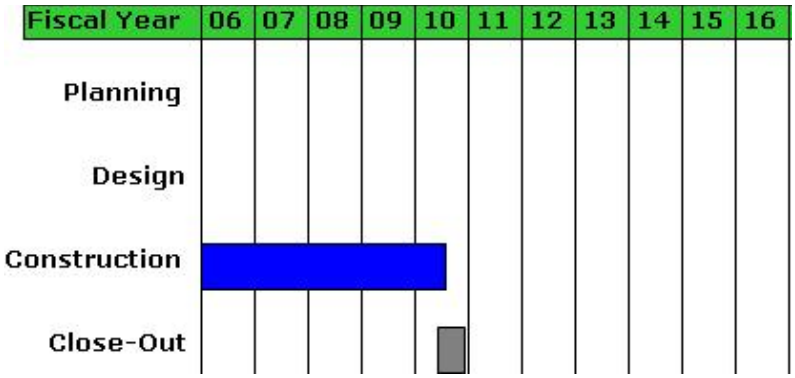


PROJECT SCHEDULE

June 1999 to May 2010

Construction phase includes 3 years of plant establishment monitoring.

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Guadalupe River–Lower, Alviso Marina to I-880	79,378	4,106	741	454	95	70	0	0	84,844
with inflation	79,378	4,106	763	482	104	79	0	0	84,911

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Guadalupe River–Lower, Alviso Marina to I-880	80,064	3,429	9	754	482	104	79	0	0	84,911

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Guadalupe Fund	84,911
Other Funding Source	0
Total	84,911

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $455,000 per year.

USEFUL LIFE: 30+ Years

Project	**Guadalupe River–Downtown, Interstate 880 to Interstate 280**
Program	Flood Protection – Guadalupe Watershed
Priority No.	67
Project No.	30154013S
District Contact	Katherine Oven koven@valleywater.org

West bank of the Guadalupe River, looking upstream from the Coleman Bridge, in September 2005

PROJECT DESCRIPTION

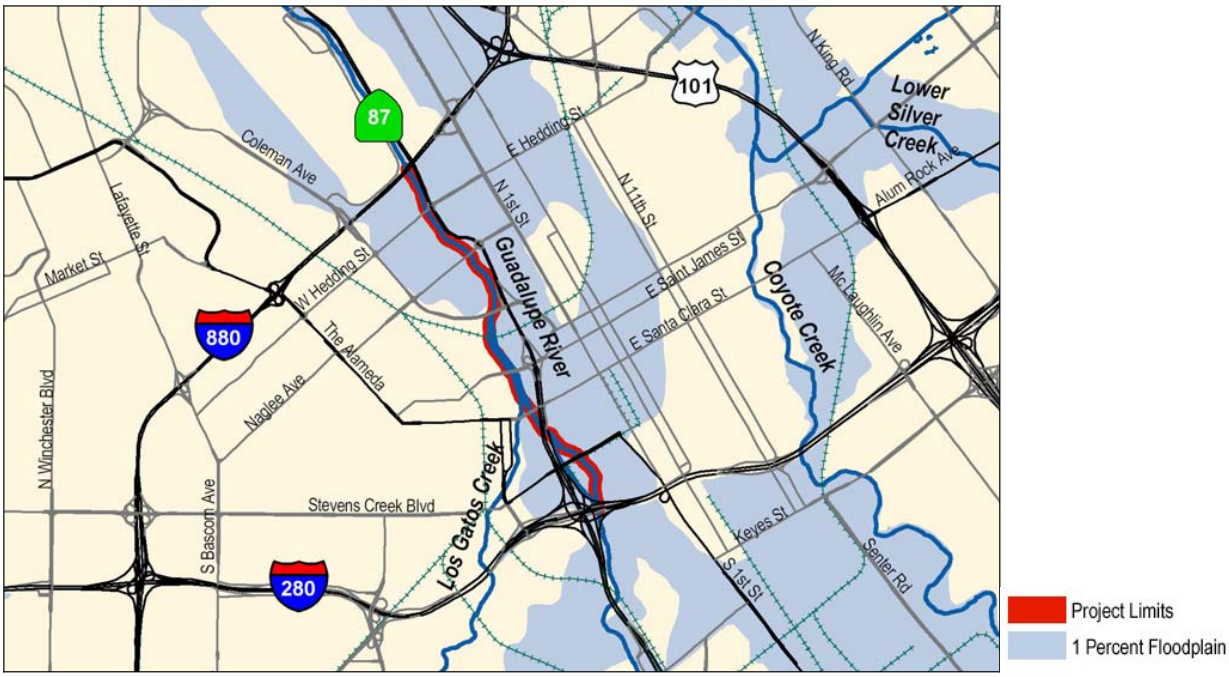
This project partners with the U.S. Army Corps of Engineers (Corps), State of California, City of San Jose, and San Jose Redevelopment Agency to plan, design, and construct improvements along 2.6 miles of the Guadalupe River, from Interstate 880 to Interstate 280, to accomplish the following objectives:

- Provide one-percent flood protection to downtown San Jose's technology and commercial industries and residential neighborhoods.
- Protect and improve water quality of the river.
- Preserve and enhance the river's habitat, fish and wildlife.
- Provide recreational and open space benefits in cooperation with the U.S. Army Corps of Engineers (Corps), City of San Jose, and San Jose Redevelopment Agency.

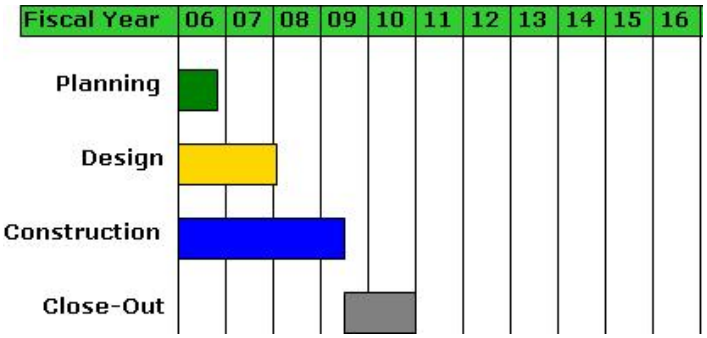
This project is accounted for in the following job numbers:

30154013—Interstate 880 to Heading
30154014—Hedding to Coleman
30154015—Coleman to Santa Clara
30154016—Santa Clara to Park
30154017—Woz Way to Interstate 280
30154018—Guadalupe River, Escrow

PROJECT LOCATION



PROJECT SCHEDULE
March 1990 to June 2010



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Guadalupe Rv–DT, I-880 to Hedding	1,119	423	89	0	0	174	0	0	1,805
with inflation	1,119	423	92	0	0	195	0	0	1,829
Guadalupe Rv–DT, Hedding-Coleman	9,885	468	181	457	50	50	0	0	11,091
with inflation	9,885	468	186	485	55	56	0	0	11,135
Guadalupe Rv–DT, Coleman-W. Santa Clara	27,175	5,478	1,400	600	50	300	0	0	35,003
with inflation	27,175	5,478	1,442	637	55	338	0	0	35,124
Guadalupe Rv–DT, W. Santa Clara to Park	10,264	1,367	120	0	0	200	0	0	11,951
with inflation	10,264	1,367	124	0	0	225	0	0	11,980
Guadalupe Rv–DT, Woz to I-280	8,261	1,551	50	50	0	150	0	0	10,062
with inflation	8,261	1,551	52	53	0	169	0	0	10,085
Guadalupe Rv–DT, Escrow	35,282	862	0	0	0	0	0	0	36,144
with inflation	35,282	862	0	0	0	0	0	0	36,144
TOTAL	**91,986**	**10,149**	**1,840**	**1,107**	**100**	**874**	**0**	**0**	**106,056**
with inflation	**91,986**	**10,149**	**1,895**	**1,174**	**109**	**983**	**0**	**0**	**106,297**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Guadalupe Rv–DT, I-880 to Hedding	1,148	444	50	42	0	0	195	0	0	1,829
Guadalupe Rv–DT, Hedding to Coleman	10,222	273	142	44	485	55	56	0	0	11,135
Guadalupe Rv-DT, Coleman-W. Santa Clara	29,160	4,982	1,489	0	590	55	338	0	0	35,124
Guadalupe Rv–DT, W. Santa Clara to Park	12,722	-775	316	0	0	0	33	0	0	11,980
Guadalupe Rv–DT, Woz to I-280	10,354	-325	217	0	0	0	56	0	0	10,085
Guadalupe Rv–DT, Escrow	35,282	862	0	0	0	0	0	0	0	36,144
TOTAL	**98,888**	**5,461**	**2,214**	**86**	**1,074**	**109**	**678**	**0**	**0**	**106,297**

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES
(in thousands $)

SCVWD Guadalupe Fund	85,819
State of California	3,801
City of San Jose	6,773
City of San Jose Redevelopment Agency	9,904
Total	**106,297**
Federal - Corps of Engineers	158,000

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operations costs by approximately $ 350,000 per year, including adaptive management and monitoring costs in accordance with the Mitigation and Monitoring Plan.

USEFUL LIFE: 30+ Years

Project	**Guadalupe River–Upper, Interstate 280 to Blossom Hill Road**
Program	Flood Protection – Guadalupe Watershed
Priority No.	66
Project No.	26154001S
District Contact	Katherine Oven koven@valleywater.org

Flooding from Guadalupe River on Willow Street near the Southern Pacific Railroad Bridge

PROJECT DESCRIPTION

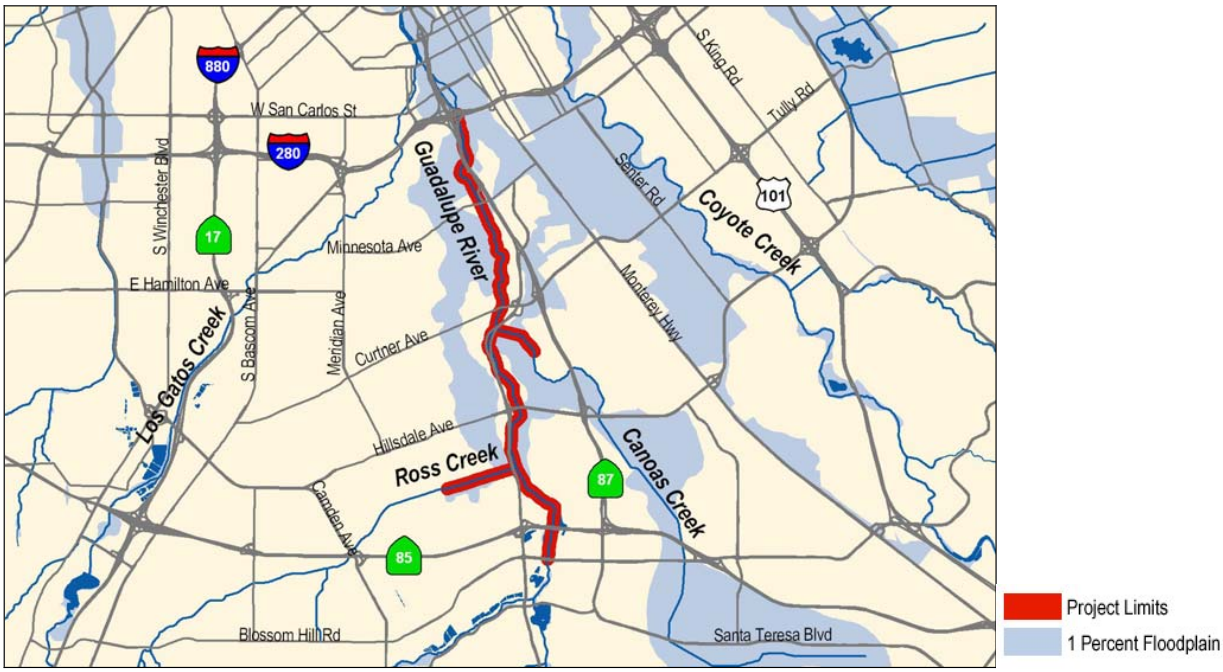
This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 3.3 miles of the Guadalupe River, from Interstate 280 to Blossom Hill Road, to accomplish the following objectives:

- Provide one-percent flood protection on upper reaches of Guadalupe River, from I-280 to Blossom Hill Road, including portions of Ross Creek and Canoas Creek, and an additional lower reach from Hwy 101 to I-280.
- Provide long-term net gains of 15 acres in riparian forest acreage, quality, and continuity of wildlife habitat, and conditions favoring Chinook salmon and steelhead trout.
- Provide access to an additional 12 miles of suitable upstream spawning and rearing habitat, which would result in significant long-term beneficial impacts on fisheries resources.
- Provide opportunity to incorporate a continuous 6-mile trail by connecting the trail at Interstate 280 to the Alamitos Creek trail.
- Improve water quality by reducing bank erosion and sedimentation-related impacts along the river and tributaries.
- Address and resolve permit coordination activities and watershed integration issues through the Guadalupe Watershed Integration Working Group.

This project is accounted for in the following job numbers:

26154001—Fish Passage Modification
26154002—I-280 to Southern Pacific Railroad Bridge (Reach 6)
26154003—Southern Pacific Railroad Bridge to Blossom Hill Road (Reach 7-12)

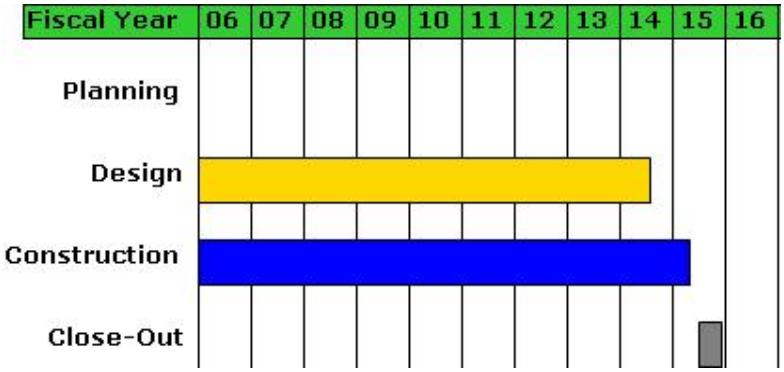
PROJECT LOCATION



PROJECT SCHEDULE

July 2001 to May 2015

Planning Phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Guadalupe River–Upper, Fish Passage Modifications	854	1,222	139	0	0	0	0	0	2,215
with inflation	854	1,222	143	0	0	0	0	0	2,219
Guadalupe River–Upper, I-280-SPRR (R6)	1,609	2,120	7,775	10,242	650	50	0	0	22,446
with inflation	1,609	2,120	8,008	10,866	710	56	0	0	23,370
Guadalupe River–Upper, SPRR-Blossom Hill (R7-12)	5,987	4,996	4,108	13,191	8,960	992	3,793	22,193	64,220
with inflation	5,987	4,996	4,231	13,994	9,791	1,117	4,397	27,191	71,704
Actuals in closed project numbers	7,887	0	0	0	0	0	0	0	7,887
with inflation	7,887	0	0	0	0	0	0	0	7,887
TOTAL	**16,337**	**8,338**	**12,022**	**23,433**	**9,610**	**1,042**	**3,793**	**22,193**	**96,768**
with inflation	**16,337**	**8,338**	**12,383**	**24,860**	**10,501**	**1,173**	**4,397**	**27,191**	**105,180**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget						Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Guadalupe River–Upper, Fish Passage Modifications	1,648	428	0	143	0	0	0	0	0	2,219
Guadalupe River–Upper, I-280-SPRR (R6)	1,870	2,043	184	7,824	10,866	710	56	0	0	23,370
Guadalupe River–Upper, SPRR-Blossom Hill (R7-12)	23,550	0	12,567	0	5,659	9,791	1,117	4,397	27,191	71,704
Budget to closed project numbers	7,887	0	0	0	0	0	0	0	0	7,887
TOTAL	**34,955**	**2,471**	**12,751**	**7,967**	**16,524**	**10,501**	**1,173**	**4,397**	**27,191**	**105,180**

Adjusted Budget includes Adopted Budget plus approved Budget Adjustments through April 2006.

Adjusted Budget for Fish Passage includes $185,000 in a planned budget adjustment from reserves.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	101,580
City of San Jose	3,600
Total	**105,180**
Federal—Corps of Engineers	40,200

OPERATING COST IMPACTS

The completion of this project is expected to increase operating costs by approximately $480,000 per year.

USEFUL LIFE: 30+ Years

FLOOD PROTECTION CAPITAL IMPROVEMENTS

Coyote Watershed Project Pages

Project	Babb, Piedmont, Los Coches Creeks, Channel Rehabilitation
Program	Flood Protection – Coyote Watershed
Priority No.	34
Project No.	62C40134
Project Mgr.	Katherine Oven koven@valleywater.org

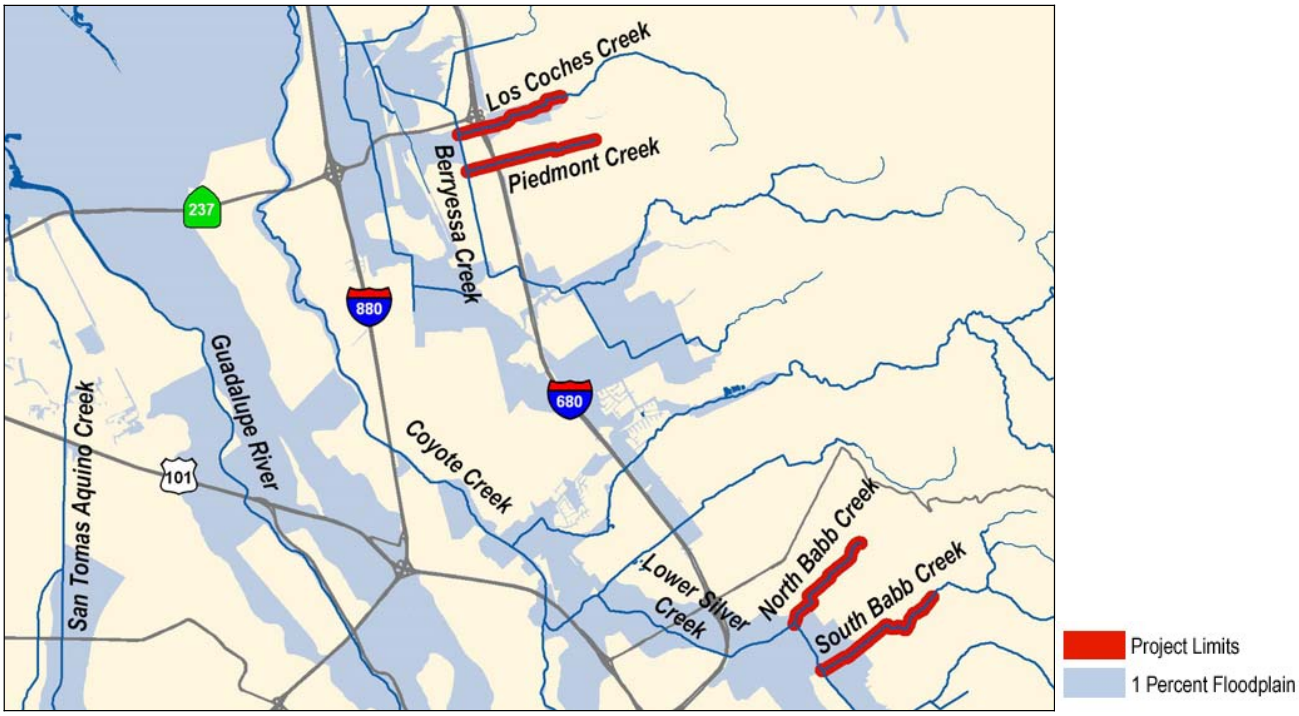
Failing section of concrete lining along Los Coches Creek.

PROJECT DESCRIPTION

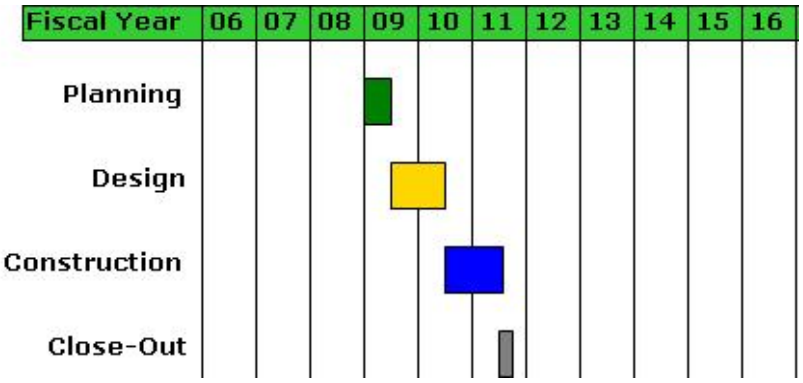
This project plans, designs, and constructs channel lining repairs to approximately .5 miles of North Babb, from Lower Silver to Meadow Lane, .9 miles of South Babb from Lower Silver to Clayton Road, .5 miles of Piedmont Channel from Interstate 680 to Roswell Drive, and approximately .7 miles of Los Coches Creek from South Park Victoria to Piedmont Road, to accomplish the following objectives:

- Repair sections of channel side slopes that have worn away, per their original design.
- Prevent further erosion by replacing the channel bottom lining that has worn through.
- Provide unhindered/unhampered flow in the channels during storm events.

PROJECT LOCATION



PROJECT SCHEDULE
July 2008 to March 2011



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Babb, Piedmont, Los Coches Creeks, Channel Rehabilitation	0	0	0	0	905	2,544	621	0	4,070
with inflation	0	0	0	0	989	2,863	720	0	4,572

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Babb, Piedmont, Los Coches Creeks, Channel Rehabilitation	0	0	0	0	0	989	2,863	720	0	4,572

FUNDING SOURCES
(in thousands $)

SCVWD Watershed Stream Stewardship Fund	4,572
Other Funding Source	0
Total	4,572

OPERATING COST IMPACTS
Operating cost impacts from the construction of this project will be developed during the planning phase.

USEFUL LIFE: 30+ Years

Project	**Berryessa Creek, Calaveras Boulevard to Old Piedmont Road**
Program	Flood Protection – Coyote Watershed
Priority No.	46
Project No.	26174041S
District Contact	Katherine Oven koven@valleywater.org

Berryessa Creek near flood stage at Piedmont Road in San Jose.

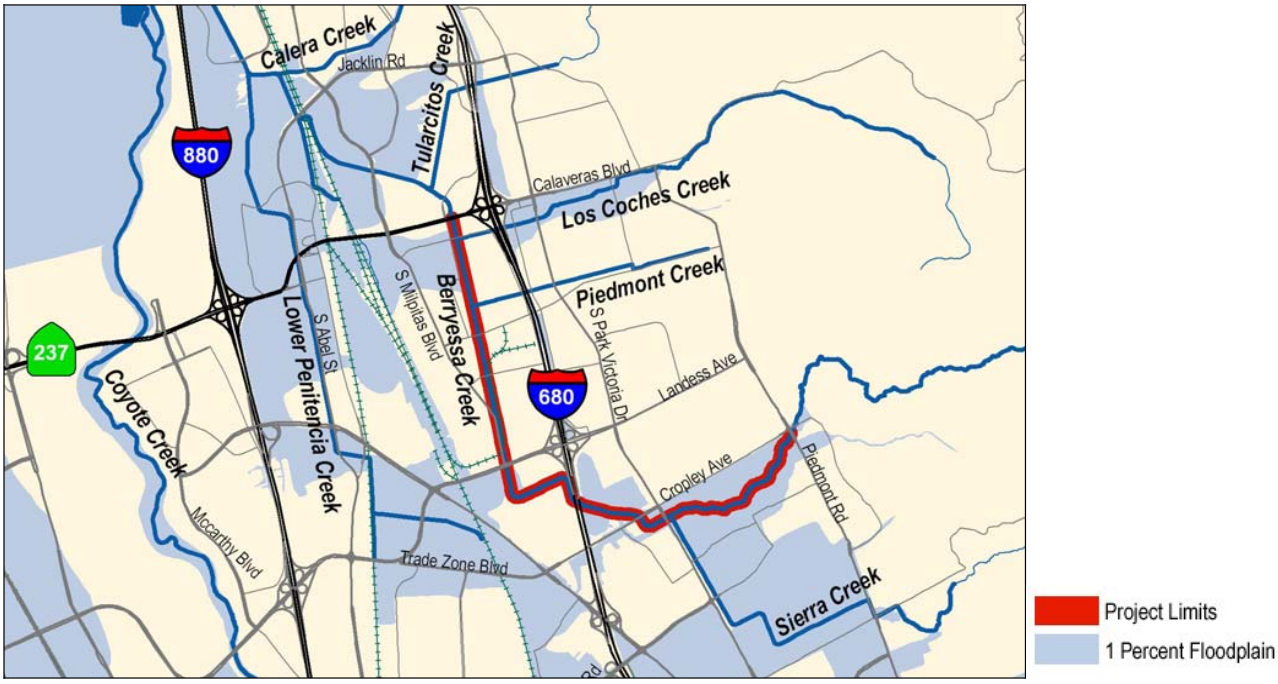
PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 4.3 miles of Berryessa Creek, from Calaveras Boulevard to Old Piedmont Road, to accomplish the following objectives:

- Provide one-percent flood protection to more than 2,900 homes, businesses, and public buildings.
- Reduce sedimentation and maintenance requirements.
- Mitigate for project impacts.
- Improve stream habitat values.
- Identify opportunities to integrate recreation improvements consistent with the Cities of San Jose's and Milpitas' Trail Master Plans.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives.

This project is accounted for in the following job numbers:
26174041—Coordination with Corps
26174042—Reimbursable work—Lands, Easements, Rights of Way, Relocations and Disposal (LERRDs)

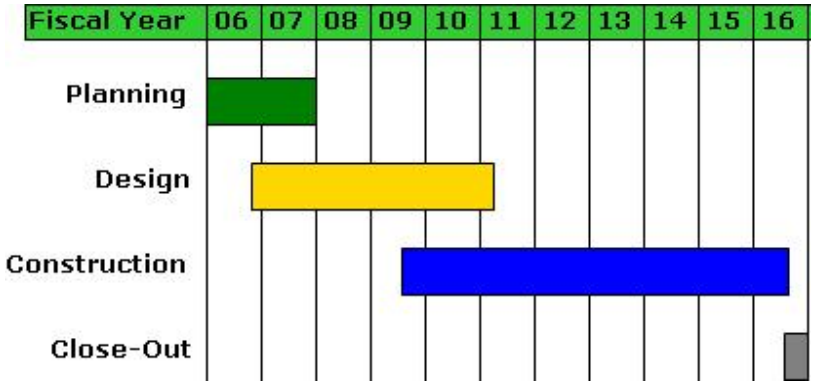
PROJECT LOCATION



PROJECT SCHEDULE

January 2000 to June 2016

Construction includes 3 years of plant establishment monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Berryessa Creek, Calaveras Blvd to Old Piedmont, Corps Coordination	2,105	1,125	890	1,107	3,325	400	0	300	9,252
with inflation	2,105	1,125	917	1,174	3,633	450	0	384	9,789
Berryessa Creek, Calaveras Blvd to Old Piedmont—LERRDs	221	125	400	3,250	5,200	500	0	50	9,746
with inflation	221	125	412	3,448	5,682	563	0	67	10,518
TOTAL	**2,326**	**1,250**	**1,290**	**4,357**	**8,525**	**900**	**0**	**350**	**19,001**
with inflation	**2,326**	**1,250**	**1,329**	**4,622**	**9,315**	**1,013**	**0**	**451**	**20,307**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Berryessa Creek, Calaveras Blvd to Old Piedmont, Corps Coordination	2,704	927	401	516	1,174	3,633	450	0	384	9,789
Berryessa Creek, Calaveras Blvd to Old Piedmont—LERRDs	1,827	0	1,481	0	2,379	5,682	563	0	67	10,518
TOTAL	**4,531**	**927**	**1,882**	**516**	**3,553**	**9,315**	**1,013**	**0**	**451**	**20,307**

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	20,307
Other Funding Source	0
Total	**20,307**
Federal—Corps of Engineers	19,000

OPERATING COST IMPACTS

Operating cost impacts from the construction of this project will be developed during the planning phase.

USEFUL LIFE: 30+ Years

Project	**Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard**
Program	Flood Protection – Coyote Watershed
Priority No.	89
Project No.	40174004
Oversight Mgr.	Katherine Oven koven@valleywater.org

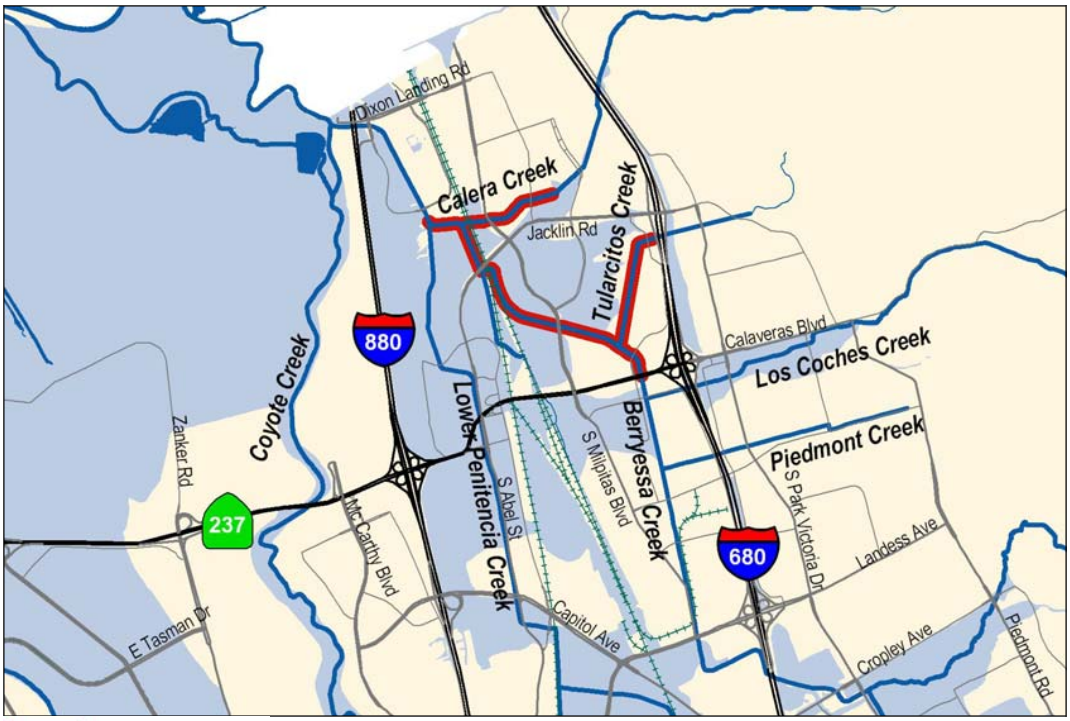
Berryessa Creek upstream of the confluence with Lower Penitencia Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately 3 miles of Berryessa Creek, from the confluence with Lower Penitencia Creek to Calaveras Boulevard and the lower reaches of both Calera and Tularcitos Creeks, to accomplish the following objectives:

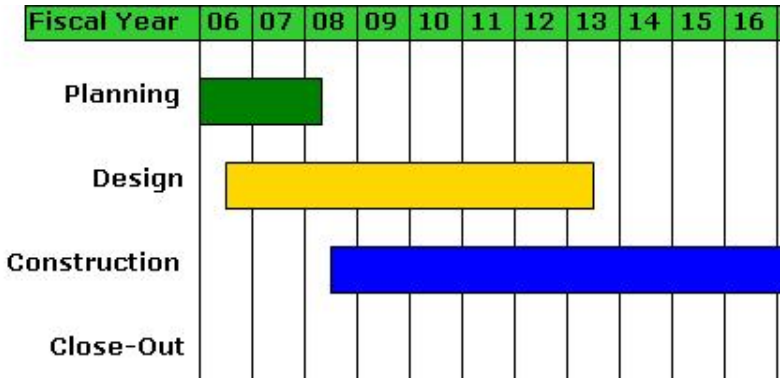
- Provide one-percent flood protection to the surrounding area.
- Improve the structural integrity of the levees.
- Improve maintenance access and safety for District staff.
- Incorporate the City of Milpitas' recreational trail and bridge project.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives

PROJECT LOCATION



Project Limits

PROJECT SCHEDULE
March 2001 to May 2018



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard	4,733	391	1,558	3,275	1,837	4,843	3,569	10,314	30,520
with inflation	4,733	391	1,605	3,474	2,007	5,451	4,137	12,700	34,499

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard	12,720	0	7,596	0	0	0	4,941	4,137	12,700	34,499

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES
(in thousands $)

SCVWD Coyote Fund	34,499
Other Funding Source	0
Total	34,499

OPERATING COST IMPACTS
Operating cost impacts from the construction of this project will be developed during the planning phase.

USEFUL LIFE: 30+ Years

Project	**Coyote Creek, Montague Expressway to Interstate 280**
Program	Flood Protection – Coyote Watershed
Priority No.	79
Project No.	26174043
District Contact	Katherine Oven koven@valleywater.org

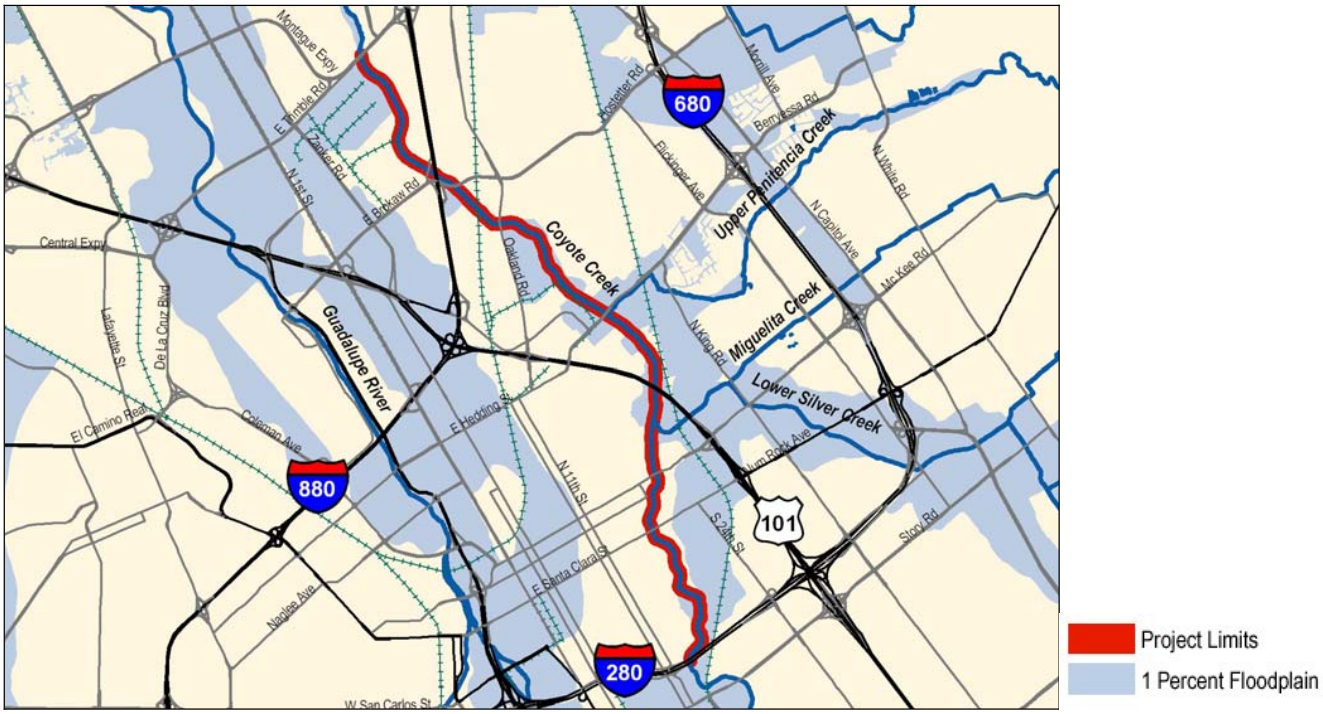
Flooding from Coyote Creek on 17th Street near downtown San Jose in January 1997

PROJECT DESCRIPTION

This project plans, designs, and partially constructs improvements along approximately 6.1 miles of Coyote Creek, from Montague Expressway to Interstate 280, to accomplish the following objectives:

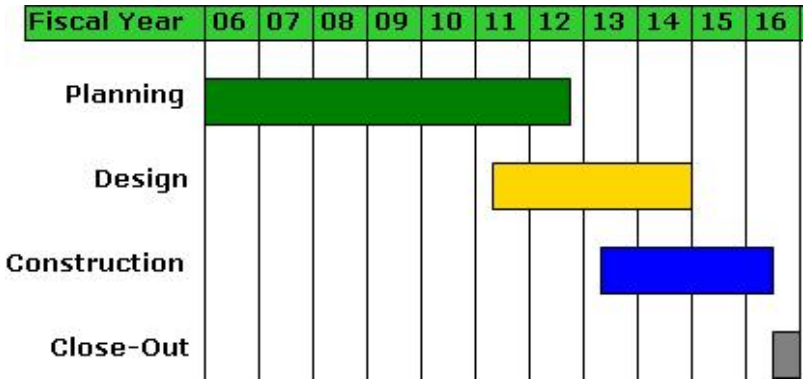
- Provide flood protection to the surrounding area.
- Mitigate for all project impacts to stream habitat values and fisheries.
- Identify stream habitat enhancement and/or restoration opportunities.
- Identify opportunities to improve water quality within the project limits.
- Identify opportunities to provide for public recreation and access.
- Minimize the need for future operations and maintenance activities and create a self-sustaining system within the project limits.
- Obtain community support.

PROJECT LOCATION



PROJECT SCHEDULE

September 2002 to December 2016



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Coyote Creek, Montague Expwy to I-280	2,682	1,312	911	3,946	963	909	1,127	20,809	32,659
with inflation	2,682	1,312	938	4,186	1,052	1,023	1,307	25,793	38,293

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Coyote Creek, Montague Expwy to I-280	6,903	0	2,909	0	2,216	1,052	1,023	1,307	25,793	38,293

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	38,293
Other Funding Source	0
Total	38,293

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $100,000 per year.

USEFUL LIFE: 30+ Years

Project	**Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)**
Program	Flood Protection – Coyote Watershed
Priority No.	55
Project No.	40264001S
District Contact	Katherine Oven koven@valleywater.org

Lower Silver Creek upstream of San Antonio Road

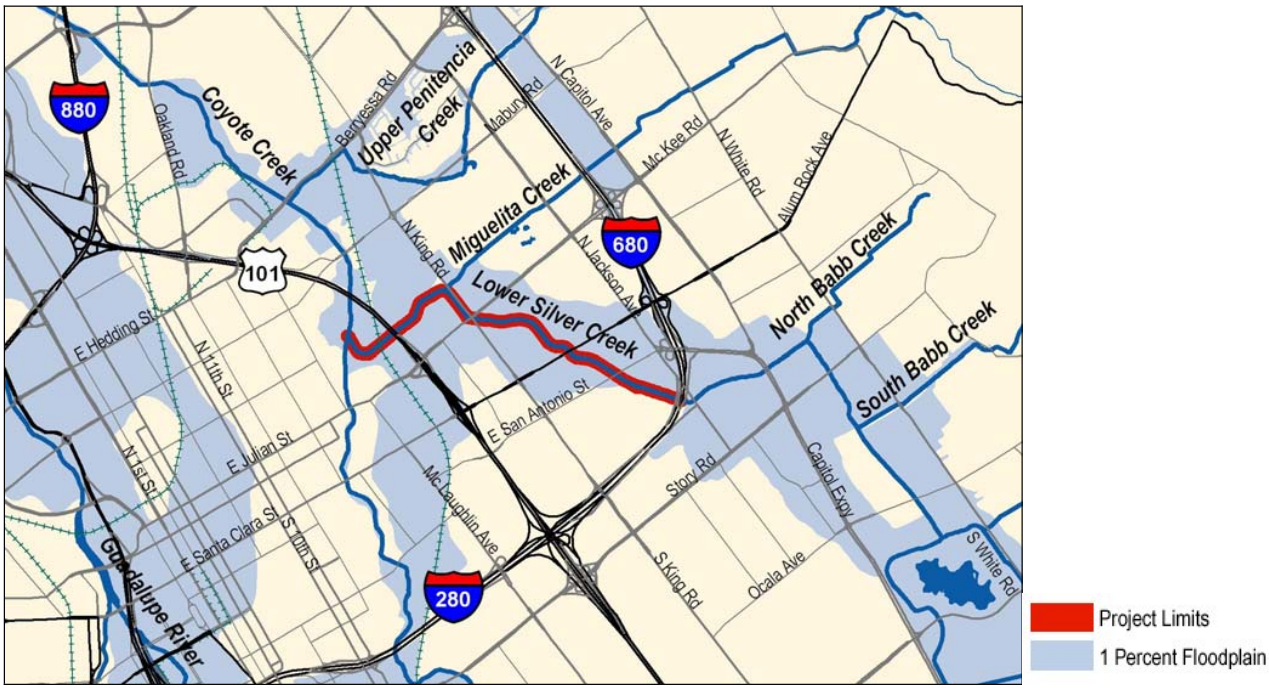
PROJECT DESCRIPTION

This project partners with the Natural Resource Conservation Service to plan, design, and construct improvements along approximately 2.3 miles of the Lower Silver Creek, from Coyote Creek to Interstate 680, to accomplish the following objectives:

- Provide one-percent flood protection to properties in the surrounding area.
- Provide on-site mitigation for project impacts, improve stream habitat values, and improve fisheries potential.
- Identify opportunities for additional enhancement of existing habitat values by increased wetlands and riparian habitat.
- Improve pedestrian bridges crossing Lower Silver Creek.
- Facilitate the opportunity for future pedestrian trails along Lower Silver Creek.

This project is accounted for in the following job numbers:
40264003—Reach 1-2, Coyote Ck to McKee Rd
40264001—Reach 3, McKee Rd to I-680
40264009—Reimbursable work—Lands, Easements, Rights of Way, Relocations, and Disposal (LERRDs)

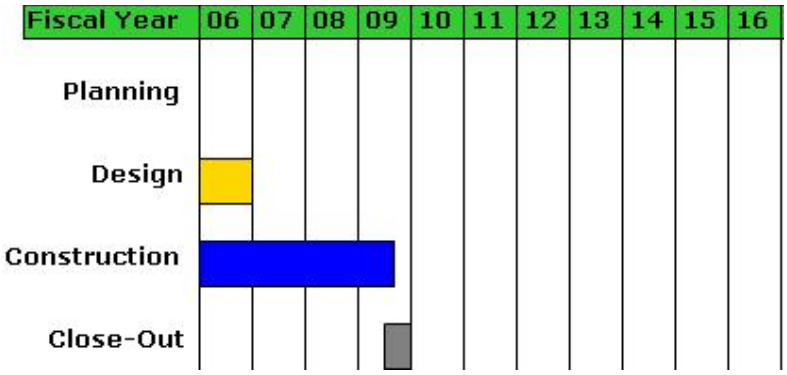
PROJECT LOCATION



PROJECT SCHEDULE

January 1990 to June 2009

Planning phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Lower Silver Creek, Coyote Creek to McKee Road, Reach 1-2	20,378	75	55	25	0	0	0	0	20,533
with inflation	20,378	75	57	27	0	0	0	0	20,536
Lower Silver Creek, McKee Road to I-680, Reach 3	32,728	950	275	275	325	0	0	0	34,553
with inflation	32,728	950	283	292	355	0	0	0	34,608
Lower Silver Creek, Coyote Creek to I-680, LERRDs	21,448	1,132	100	315					22,995
with inflation	21,448	1,132	103	334	0	0	0	0	23,017
TOTAL	**74,554**	**2,157**	**430**	**615**	**325**	**0**	**0**	**0**	**78,081**
with inflation	**74,554**	**2,157**	**443**	**652**	**355**	**0**	**0**	**0**	**78,161**

Actuals include expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Lower Silver Creek, Coyote Creek to McKee Road, Reach 1-2	20,532	0	79	0	4	0	0	0	0	20,536
Lower Silver Creek, McKee Road to I-680, Reach 3	34,620	0	942	0	0	0	0	0	0	34,620
Lower Silver Creek, Coyote Creek to I-680, LERRDs	22,901	0	321	0	116	0	0	0	0	23,017
TOTAL	**78,053**	**0**	**1,342**	**0**	**120**	**0**	**0**	**0**	**0**	**78,173**

Adjusted budget includes adopted budget plus approved budget adjustments through April 2006.
The total planned expenditure is $12,000 less than the available project funding. The unspent budget will be returned to reserves at the end of the project

FUNDING SOURCES

(in thousands $)

SCVWD Coyote Fund	72,889
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Program)	4,000
State of California	1,119
Natural Resource Conservation Service	165
Total	**78,173**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase Reach 1-3 operations costs by approximately $100,000 per year. The increases are primarily due to the increased creek area (vegetation maintenance and trash removal) and the increased amount of concrete structures (graffiti removal).

USEFUL LIFE: 30+ Years

Project	Thompson Creek Stream Stabilization, Quimby Road to Aborn Road
Program	Flood Protection – Coyote Watershed
Priority No.	32
Project No.	62214001
Project Mgr.	Katherine Oven koven@valleywater.org

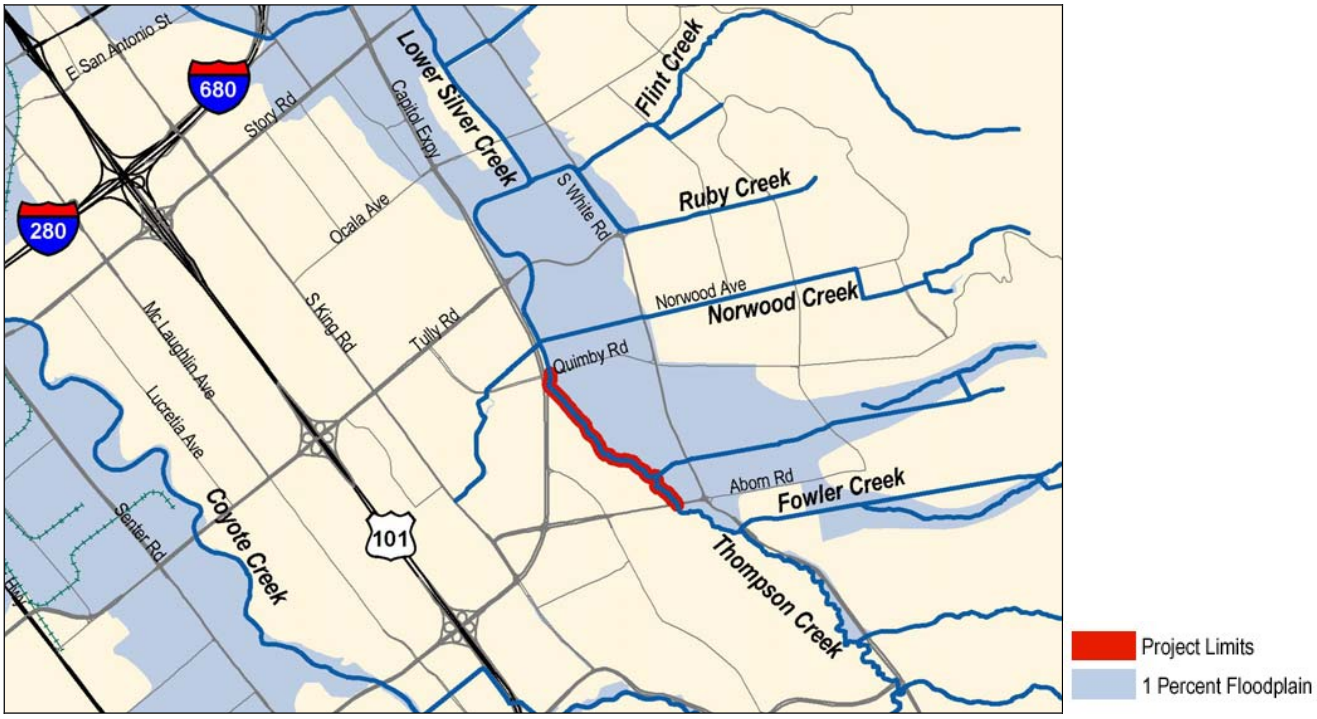
Severe bank erosion and undercutting of mature riparian habitat, results in significant sedimentation in downstream reaches of Thompson Creek.

PROJECT DESCRIPTION

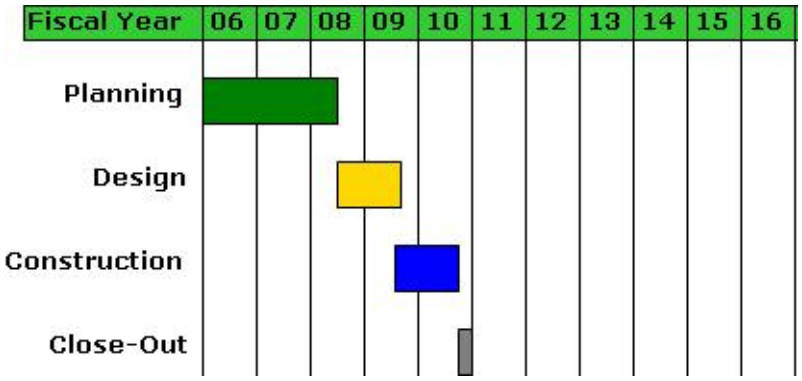
This project coordinates with the U.S. Army Corps of Engineers under the Aquatic Ecosystem Restoration Program (Section 206 Program) to plan, design, and construct improvements along 1.2 miles of Thompson Creek, from Quimby Road to Aborn Road, and accomplishes the following objectives:

- Restore the low-flow channel to an equilibrium state.
- Restore riparian habitat adjacent to the low-flow channel.
- Improve water quality and provide diverse stream channel habitats.
- Provide erosion protection along the creek.
- Identify enhancement opportunities.

PROJECT LOCATION



PROJECT SCHEDULE
July 2003 to June 2010



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	68	72	96	114	1,781	124	0	0	2,255
with inflation	68	72	99	121	1,946	140	0	0	2,446

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	2,255	0	2,115	0	0	51	140	0	0	2,446

Adjusted budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES
(in thousands $)

SCVWD Watershed Stream Stewardship Fund	2,446
Other Funding Source	0
Total	**2,446**
Federal—Corps of Engineers	4,186

The Corps of Engineers will cost-share 65 percent of the total project cost, up to $5 million.

OPERATING COST IMPACTS
Operating cost impacts from the construction of this project will be developed during the planning phase.

USEFUL LIFE: 30+ Years

Project	**Upper Penitencia Creek, Coyote Creek to Dorel Drive**
Program	Flood Protection – Coyote Watershed
Priority No.	55
Project No.	40324003S
District Contact	Katherine Oven koven@valleywater.org

Pedestrian Bridge crossing Upper Penitencia Creek by King Road (April 2006 Storm)

PROJECT DESCRIPTION

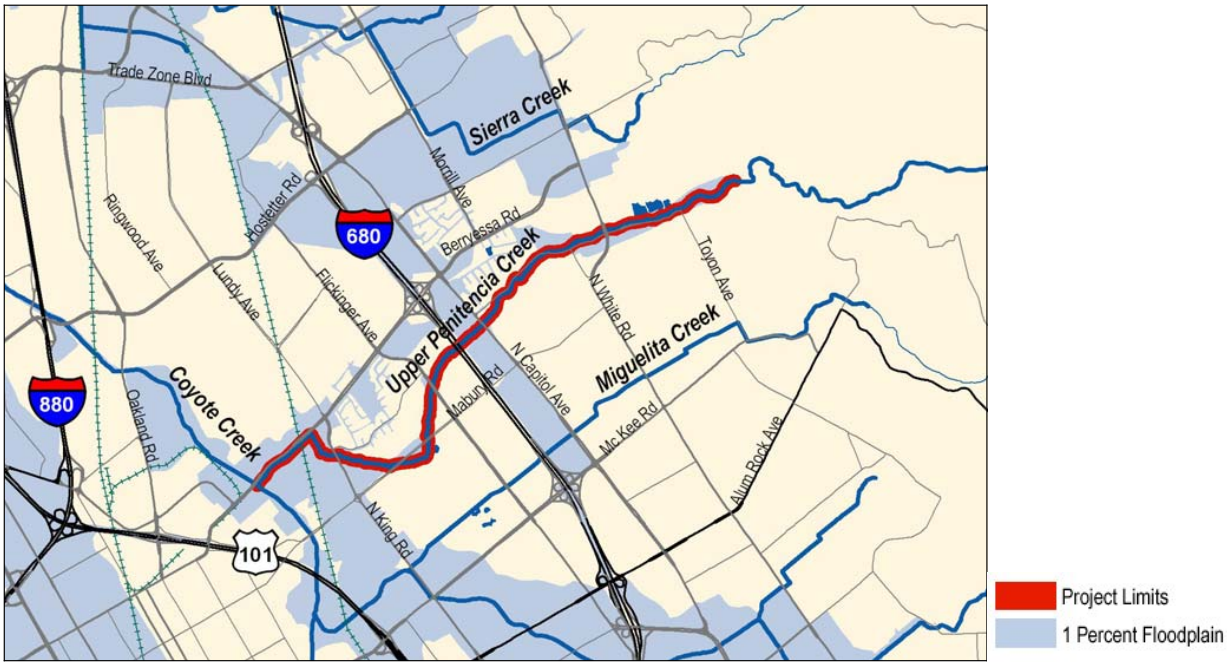
This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 4.2 miles of Upper Penitencia Creek, from the confluence with Coyote Creek to Dorel Drive, to accomplish the following objectives.

- Provide one-percent flood protection to more than 5,000 homes, businesses, and public buildings.
- Mitigate for project impacts.
- Improve stream habitat values and fisheries potential.
- Reduce sedimentation and maintenance requirements.
- Identify opportunities to integrate recreation improvements consistent with the City of San Jose's and Santa Clara County Parks' Master Plan.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives.

This project is accounted for in the following job numbers:
40324003—District coordination with Corps for Corps' work
40324005—District's Lands, Easements, Rights of Way, Relocation, and Disposal (LERRD)

This project is funded through the planning phase only. The scope, schedule, costs and funding sources of the design and construction phases will be determined at the completion of the planning phase.

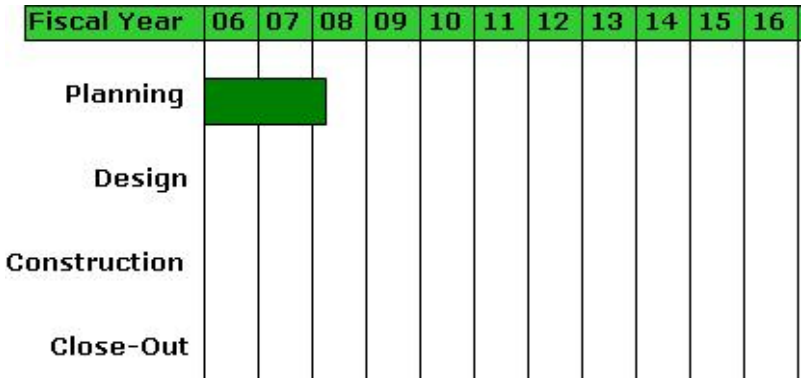
PROJECT LOCATION



PROJECT SCHEDULE

January 2000 to September 2007

(Planning Phase Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Upper Penitencia Creek, Coyote Creek to Dorel Drive, Coordination with Corps	7,277	600	280	207	0	0	0	0	8,364
with inflation	7,277	600	288	220	0	0	0	0	8,385
Upper Penitencia Creek, Coyote Creek to Dorel Drive, LERRDs	1,761	125	4,565	0	0	0	0	0	6,451
with inflation	1,761	125	4,702	0	0	0	0	0	6,588
TOTAL	9,038	725	4,845	207	0	0	0	0	14,815
with inflation	9,038	725	4,990	220	0	0	0	0	14,973

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Upper Penitencia Creek, Coyote Creek to Dorel Drive, Coordination with Corps	7,759	120	2	286	220	0	0	0	0	8,385
Upper Penitencia Creek, Coyote Creek to Dorel Drive, LERRDs	6,451	-120	4,445	257	0	0	0	0	0	6,588
TOTAL	14,210	0	4,447	543	220	0	0	0	0	14,973

Adjusted Budget includes Adopted Budget plus approved Budget Adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Coyote Fund	14,973
Other Funding Source	0
Total	14,973
Federal—Corps of Engineers	2,790

OPERATING COST IMPACTS

Operating costs have not yet been defined but will be documented with the completed Planning Study. Staff continues to meet with operations and maintenance staff during the planning process, in an effort to minimize future operating budget impacts.

USEFUL LIFE: Not Available

FLOOD PROTECTION CAPITAL IMPROVEMENTS

Uvas/Llagas Watershed Project Pages

Project	Llagas Creek–Upper, Buena Vista Road to Wright Avenue
Program	Flood Protection – Uvas/Llagas Watershed
Priority No.	63
Project No.	26174051S
District Contact	Katherine Oven koven@valleywater.org

Llagas Creek floods at Watsonville Road and the surrounding area.

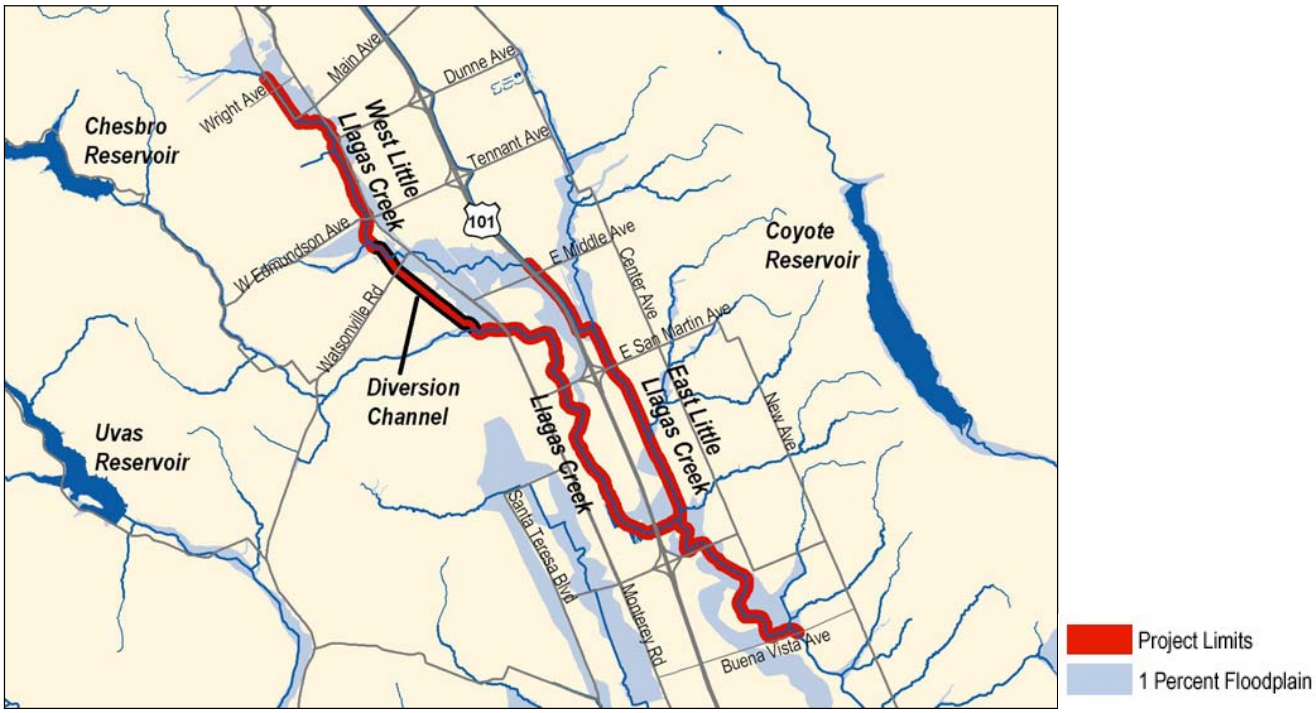
PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements on approximately 16.6 miles of Upper Llagas Creek, from Buena Vista Road to Wright Avenue, to provide an increased level of flood protection with adequate freeboard.

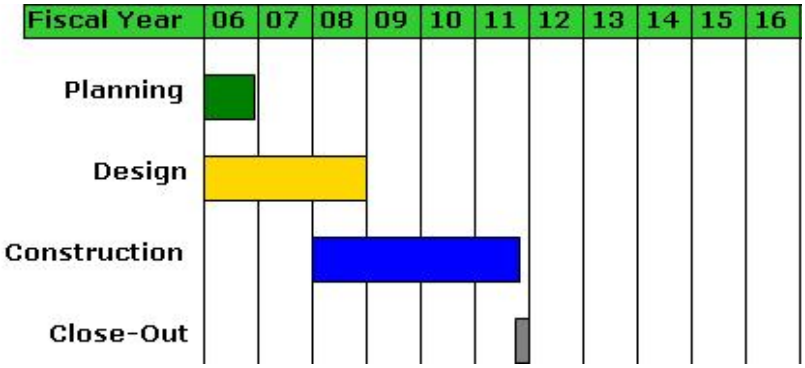
This project is accounted for in the following job numbers:

26174051—Reimbursable Work—Lands, Easements, Rights of Way, Relocation, and Disposal (LERRD)
26174052—Coordination with the Corps
26174053—Technical Study

PROJECT LOCATION



PROJECT SCHEDULE
August 2000 to June 2011



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Llagas Creek–Upper, LERRD	3,929	500	2,100	2,100	250	50	0	0	8,929
with inflation	3,929	500	2,163	2,228	273	56	0	0	9,149
Llagas Creek–Upper, Corps Coordination	1,578	250	250	250	250	250	250	0	3,078
with inflation	1,578	250	258	265	273	281	290	0	3,195
Llagas Creek–Upper, Technical Studies	320	1,019	26	0	0	0	0	0	1,365
with inflation	320	1,019	27	0	0	0	0	0	1,366
TOTAL	**5,827**	**1,769**	**2,376**	**2,350**	**500**	**300**	**250**	**0**	**13,372**
with inflation	**5,827**	**1,769**	**2,447**	**2,493**	**546**	**338**	**290**	**0**	**13,710**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Llagas Creek–Upper, LERRD	7,946	0	3,517	0	874	273	56	0	0	9,149
Llagas Creek–Upper, Corps Coordination	2,631	-400	403	0	120	273	281	290	0	3,195
Llagas Creek–Upper, Technical Studies	855	496	12	15	0	0	0	0	0	1,366
TOTAL	**11,432**	**96**	**3,932**	**15**	**994**	**546**	**338**	**290**	**0**	**13,710**

Adjusted Budget includes Adopted Budget plus approved Budget Adjustments through April 2006.

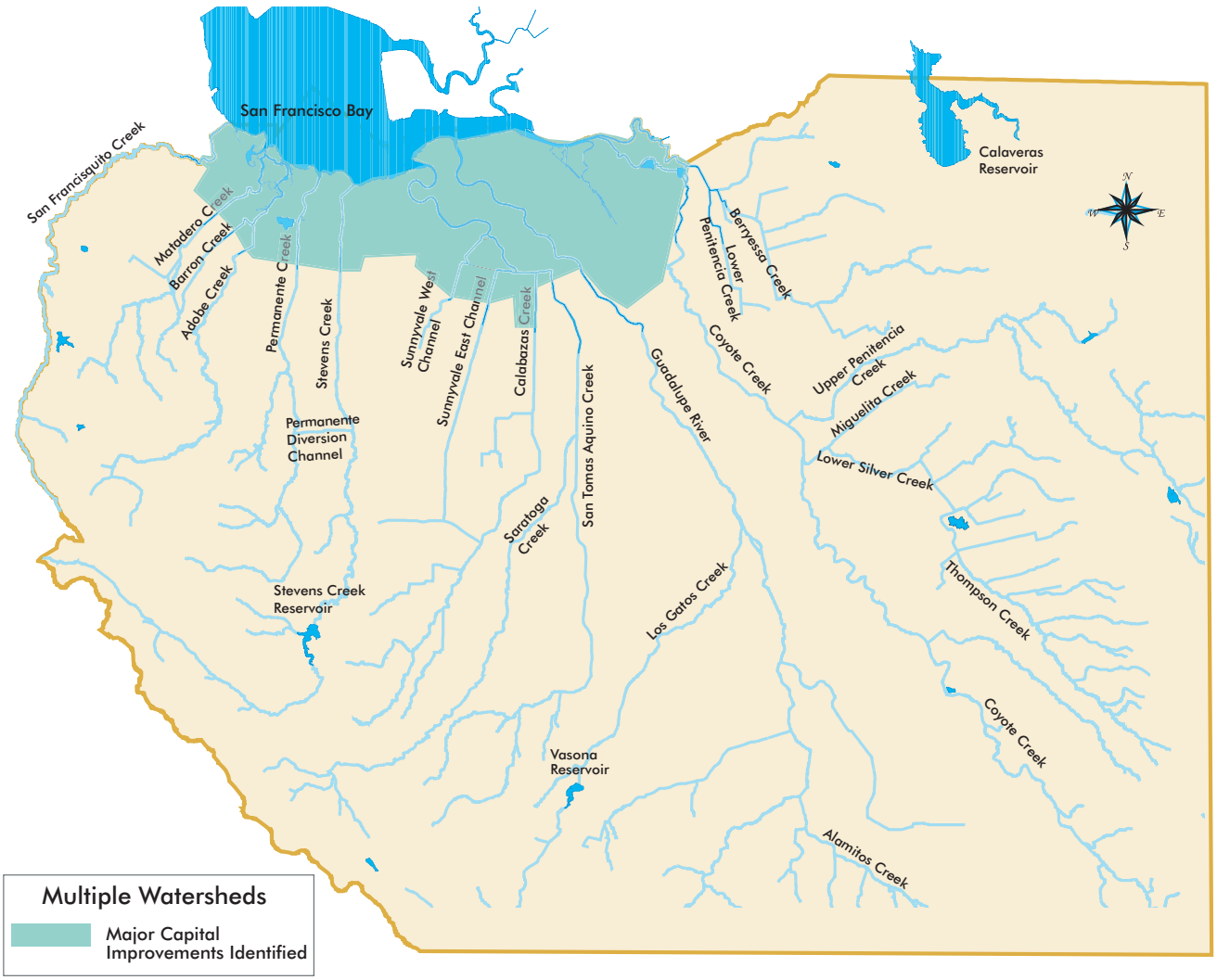
FUNDING SOURCES
(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	13,370
City of Morgan Hill	340
Total	**13,710**
State Subventions	45,000
Federal—Corps of Engineers	66,000

The District and City of Morgan Hill will pursue federal reimbursement for technical studies via special legislative action. But this is not yet included in these estimates.

OPERATING COST IMPACTS
Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years



Multiple Watersheds Project Pages

Project	**San Francisco Bay Shoreline**
Program	Flood Protection – Multiple Watersheds
Priority No.	42
Project No.	00044026S
District Contact	Ann Draper adraper@valleywater.org

Typical natural tidal marshland in San Francisco Bay near the Shoreline project area.

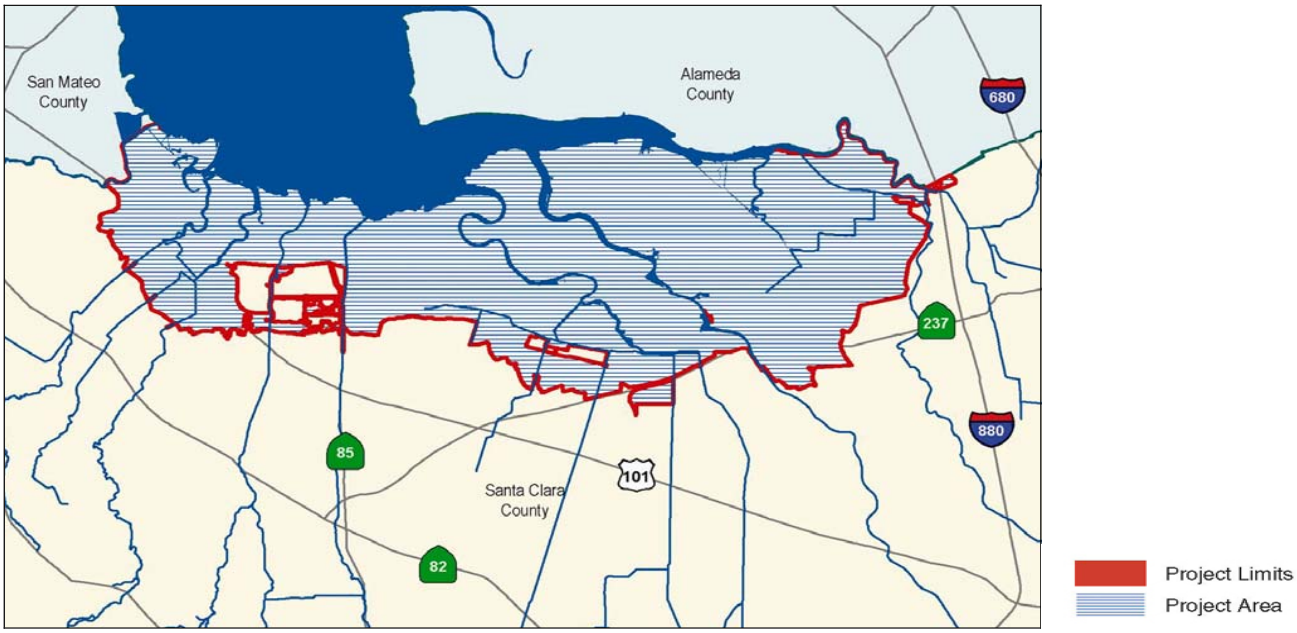
PROJECT DESCRIPTION

This project coordinates with the California Costal Conservancy, U.S. Army Corps of Engineers (Corps), and other project partners to plan, design, and construct improvements to the San Francisco Bay Shoreline, to accomplish the following objectives:

- Provide integrated fluvial and tidal flood protection.
- Restore and/or enhance tidal marsh and related habitats.
- Provide recreational and public access opportunities throughout the tidal floodplain of Santa Clara County.
- Pursue continued federal funding.

The project is currently funded for the planning phase only. The scope, schedule, costs and funding sources for the design phase and construction phase will be determined at the completion of the planning phase.

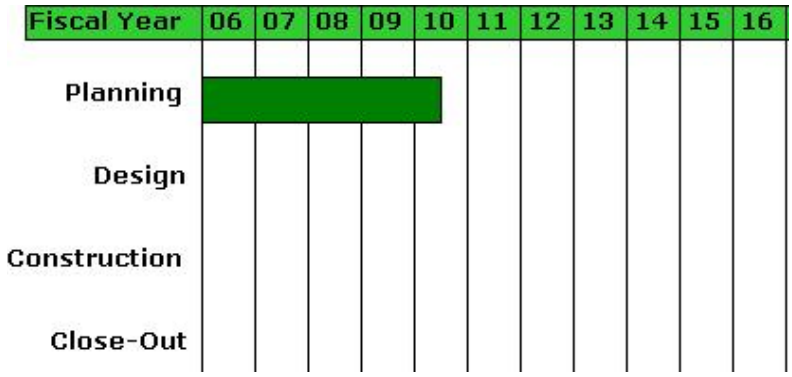
PROJECT LOCATION



PROJECT SCHEDULE

July 2003 to December 2009

(Planning Phase Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
San Francisco Bay Shoreline - Planning	497	2,953	1,981	3,041	1,996	554	0	0	11,022
with inflation	497	2,953	2,040	3,226	2,181	624	0	0	11,521

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget						Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
San Francisco Bay Shoreline - Planning	1,697	1,753	0	2,040	3,226	2,181	624	0	0	11,521

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund—25%	2,755
SCVWD Lower Peninsula Fund—one-time contribution	500
SCVWD West Valley Fund—25%	2,755
SCVWD Guadalupe Fund—25%	2,755
SCVWD Coyote Fund—25%	2,755
Total	11,521

OPERATING COST IMPACTS

Planning Phase Only: The completion of this phase of the project is not anticipated to increase or decrease annual operations costs.

USEFUL LIFE: Not Available

MITIGATION CAPITAL IMPROVEMENTS

MITIGATION OVERVIEW

The District manages many mitigation sites and continues to plan, design, and construct new mitigation sites to meet the Board's End Policy E–3.1, "Mitigations are implemented to protect watersheds, streams, and the natural resources therein." The District administers an asset management program for its existing mitigation sites. The program includes a schedule for maintenance and rehabilitation to ensure that each site functions as intended throughout its useful life.

Major capital improvements identified in the CIP include:

- Projects to mitigate environmental impacts resulting from the stream maintenance activities
- Projects to mitigate environmental impacts resulting from the treatment plant improvement projects

Priority Process and Financial Analysis

A rigorous priority setting process was conducted to rate the mitigation projects against other types of capital improvements. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for mitigation capital improvements was conducted to determine if there are limitations to funding currently planned capital projects.

- Five Watershed Funds
- Watershed Stream Stewardship Fund
- Water Enterprise Fund

Results of this year's prioritization process are summarized in Appendix B. The process concluded that funding needs for currently planned mitigation projects can be met.

MITIGATION CAPITAL IMPROVEMENTS

The following table is a project funding schedule for mitigation capital improvements, resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the page number identified. The chart also identifies partially funded projects and estimated unspent appropriations from FY 2005-06.

Mitigation – Funded Projects

Pg #	Project Name	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
IV-3	Santa Clara Tunnel Landslide Mitigation (ESA)	0	805	0	55	0	0	0	0	0	860
IV-5	SMP Mitigation, Carnadero Preserve	3,312	220	227	0	379	66	0	0	0	3,977
IV-7	SMP Mitigation, Coyote Parkway Freshwater Wetland	4,282	1,584	43	619	216	109	113	75	96	7,094
IV-9	SMP Mitigation, Coyote Quarry Pond Freshwater Wetland	0	0	0	0	404	416	736	2,866	597	5,019
IV-11	SMP Mitigation, Pajaro Basin Freshwater Wetland	1,673	281	349	1,327	573	115	118	122	176	4,385
IV-13	SMP Mitigation, Stream and Watershed Land Preservation	7,463	0	3,624	1,137	1,975	1,872	1,928	1,986	2,045	18,406
IV-15	WTIP Mitigation, Landscape and Site Improvements at PWTP	1,025	1,591	1,354	1,729	0	0	0	0	0	4,345
IV-17	WTIP Mitigation, Landscape and Site Improvements at RWTP	13	0	7	0	0	0	0	109	762	884
IV-19	WTIP Mitigation, Landscape and Site Improvements at STWTP	989	1,571	1,665	0	0	0	0	0	0	2,560
	Total	**18,757**	**6,052**	**7,269**	**4,867**	**3,547**	**2,578**	**2,895**	**5,158**	**3,676**	**47,529**

FY 2005-06 Funds to be reappropriated

The following table shows funding requirements from each funding source for mitigation capital improvements.

Mitigation – Funding Sources

Funding Sources	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
Lower Peninsula Watershed Fund	587	79	183	88	130	120	139	246	137	1,526
West Valley Watershed Fund	2,232	301	697	334	493	456	528	936	520	5,799
Guadalupe Watershed Fund	2,701	364	843	404	597	551	639	1,133	630	7,019
Coyote Watershed Fund	3,993	539	1,247	597	882	815	944	1,675	931	10,377
Uvas/Llagas Watershed Fund	3,570	526	976	1,395	951	547	622	1,033	555	9,201
Watershed Stream Stewardship Fund	3,647	276	297	265	494	89	24	24	141	4,959
Water Enterprise Fund	2,027	3,967	3,026	1,784	0	0	0	109	762	8,649
Total	**18,757**	**6,052**	**7,269**	**4,867**	**3,547**	**2,578**	**2,895**	**5,158**	**3,676**	**47,529**

FY 2005-06 Funds to be reappropriated

Project	**Santa Clara Tunnel Landslide Mitigation (ESA)**
Program	Mitigation
Priority No.	30
Project No.	91224005
District Contact	Gary Kawaoka gkawaoka@valleywater.org

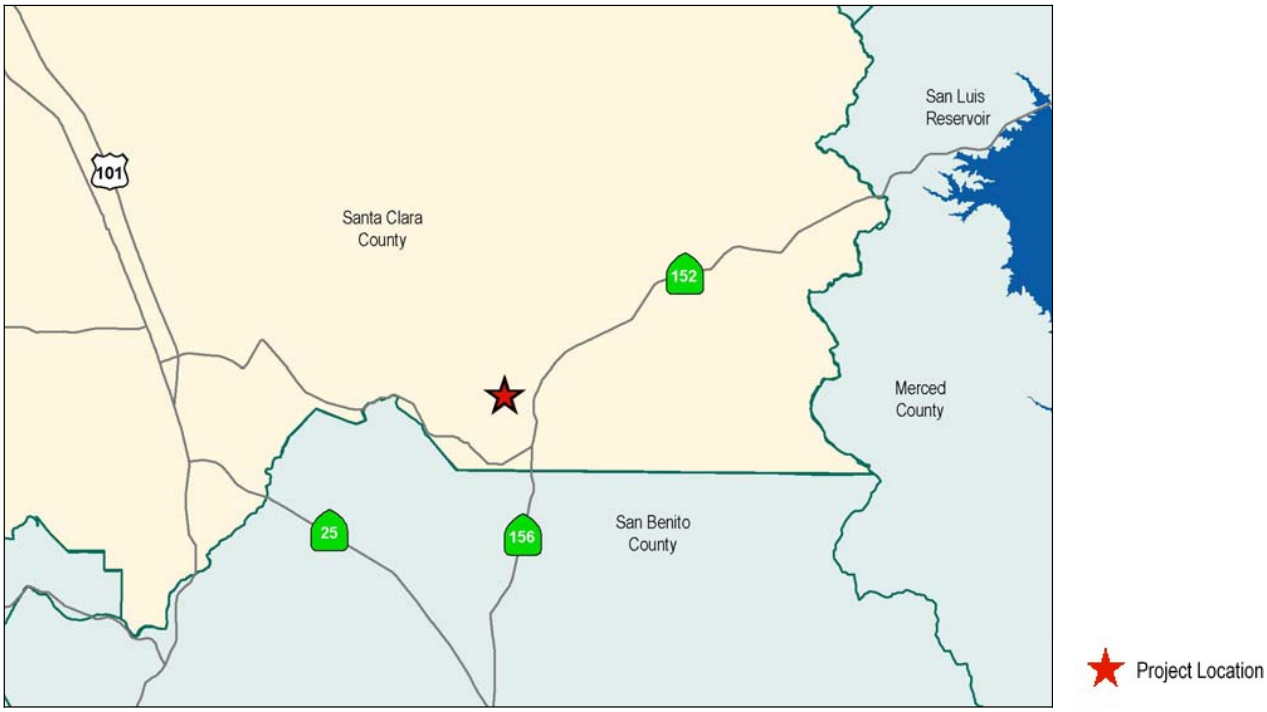
Mitigation for the Santa Clara Tunnel Landslide project will create 2.61 acres of red-legged frog and tiger salamander habitat.

PROJECT DESCRIPTION

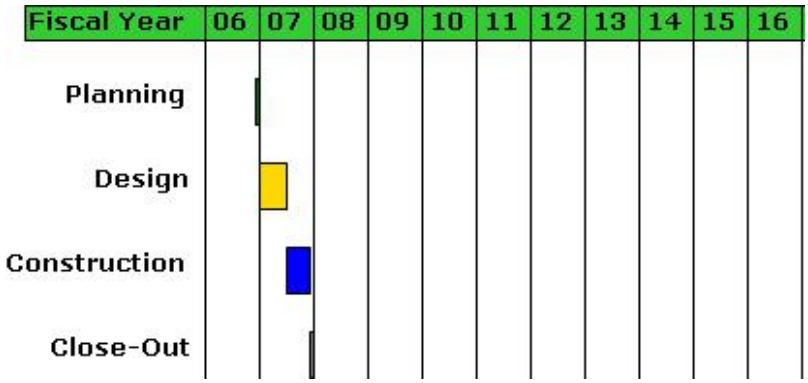
This project plans, designs, and constructs 2.61 acres of red-legged frog and tiger salamander habitat, to accomplish the following objectives:

- Mitigate for the construction impacts resulting from the Santa Clara Tunnel landslide project.
- Comply with the Endangered Species Act (ESA) permit conditions for the landslide project.

PROJECT LOCATION



PROJECT SCHEDULE
June 2006 to June 2007



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Santa Clara Tunnel Landslide Mitigation (ESA)	0	805	53	0	0	0	0	0	858
with inflation	0	805	55	0	0	0	0	0	860

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget						Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Santa Clara Tunnel Landslide Mitigation (ESA)	0	805	0	55	0	0	0	0	0	860

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	860
Other Funding Source	0
Total	860

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available

Project	**SMP Mitigation, Carnadero Preserve**
Program	Mitigation
Priority No.	38
Project No.	62184041
District Contact	Marc Klemencic mklemencic@valleywater.org

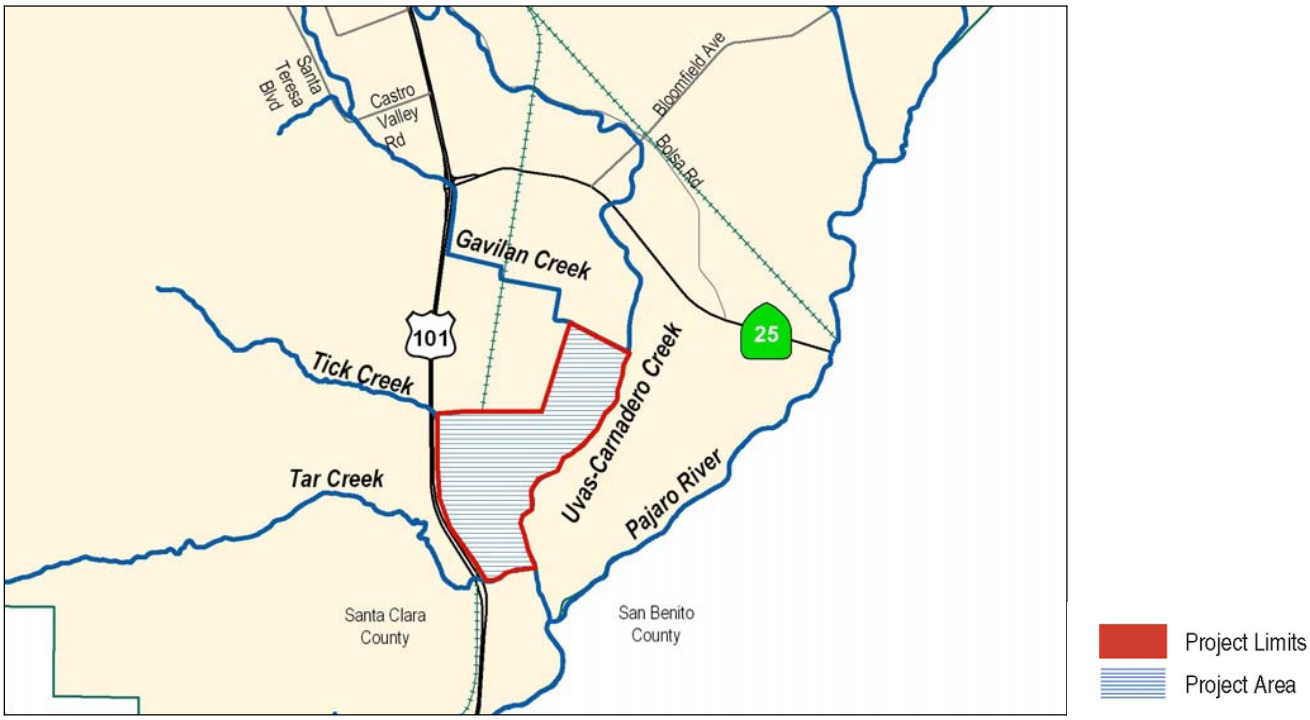
Carnadero Preserve: view across fields toward the Uvas-Carnadero Creek.

PROJECT DESCRIPTION

This project purchases and manages the Carnadero Preserve, located between the Uvas-Carnadero Creek and Highway 101, encompassing areas around the confluences with Tick and Tar Creeks, to accomplish the following objectives:

- Obtain Stream and Watershed Protection Program mitigation credits as defined under the District's Stream Maintenance Program (SMP) for the Pajaro Basin, which allows for the District to perform necessary flood protection work in county waterways.
- Identify and develop opportunities for potential wetland and riparian improvements or enhancement of the site for ecosystem and water quality benefits.

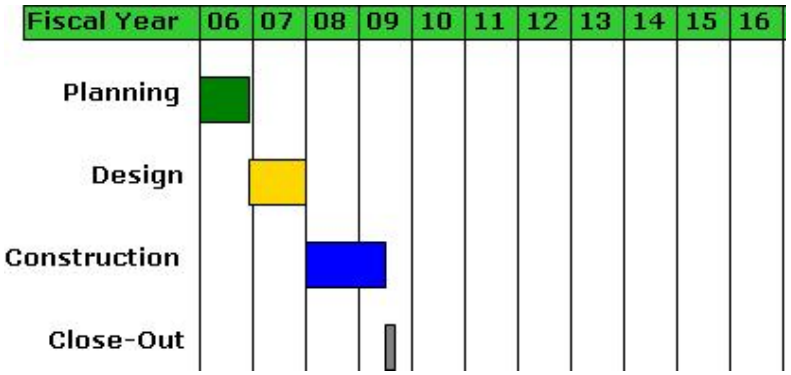
PROJECT LOCATION



PROJECT SCHEDULE

April 2003 to February 2009

Construction phase includes mitigation planting and some site upgrades.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
SMP Mitigation, Carnadero Preserve	3,155	150	200	377	60	0	0	0	3,942
with inflation	3,155	150	206	400	66	0	0	0	3,977

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
SMP Mitigation, Carnadero Preserve	3,312	220	227	0	379	66	0	0	0	3,977

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	3,977
Other Funding Source	0
Total	3,977

OPERATING COST IMPACTS

Operating and Maintenance costs are estimated to increase $50,000 per year for the first two years and then will be reduced to approximately $7,500 per year.

USEFUL LIFE: 50+ Years

Project	SMP Mitigation, Coyote Parkway Freshwater Wetland
Program	Mitigation
Priority No.	43
Project No.	62184002
District Contact	Katherine Oven koven@valleywater.org

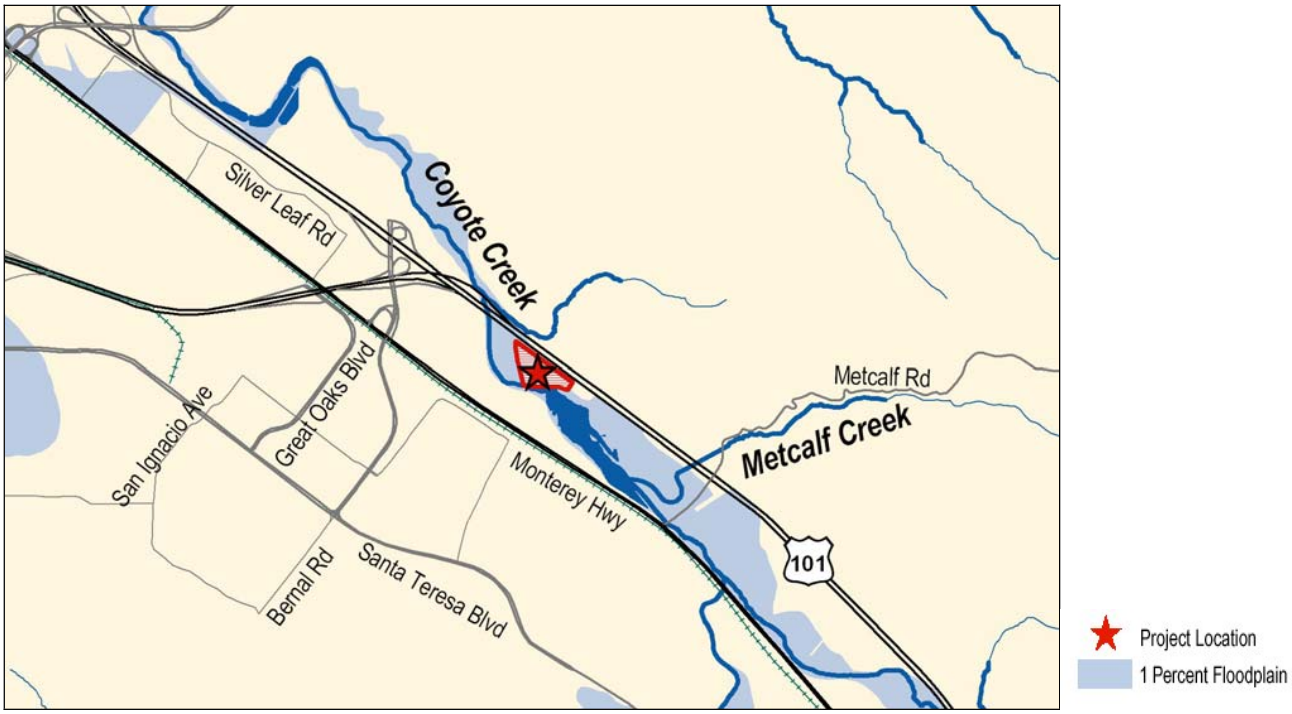
Coyote Parkway Project Site (looking North)

PROJECT DESCRIPTION

This project plans, designs, and constructs a freshwater wetland basin at the Coyote Parkway Lakes area, near Monterey Road and southeast of the Highway 101 and Highway 85 interchange in San Jose, to accomplish the following objectives:

- Meet the District's mitigation requirements for the Multi-Year Stream Maintenance Program (SMP) in the Santa Clara Basin.
- Provide 7 acres of freshwater wetland habitat to support local wetland-related plants and wildlife.
- Identify possible enhancement opportunities for presentation to the Board of Directors.

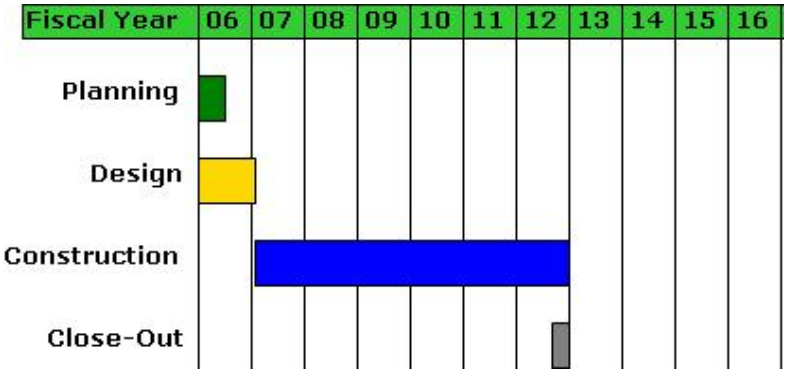
PROJECT LOCATION



PROJECT SCHEDULE

July 2003 to June 2012

Project construction includes approximately 5 years of mitigation compliance monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
SMP Mitigation, Coyote Parkway Freshwater Wetland	3,114	2,710	643	204	100	100	65	80	7,015
with inflation	3,114	2,710	662	216	109	113	75	96	7,094

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
SMP Mitigation, Coyote Parkway Freshwater Wetland	4,282	1,584	42	619	216	109	113	75	96	7,094

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund—5%	355
SCVWD West Valley Fund—19%	1,348
SCVWD Guadalupe Fund—23%	1,632
SCVWD Coyote Fund—34%	2,412
SCVWD Watershed Stream Stewardship Fund—19%	1,348
Total	**7,094**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $50,000 per year.

USEFUL LIFE: 50+ Years

Project	SMP Mitigation, Coyote Quarry Pond Freshwater Wetland
Program	Mitigation
Priority No.	32
Project No.	62C40193
District Contact	Katherine Oven koven@valleywater.org

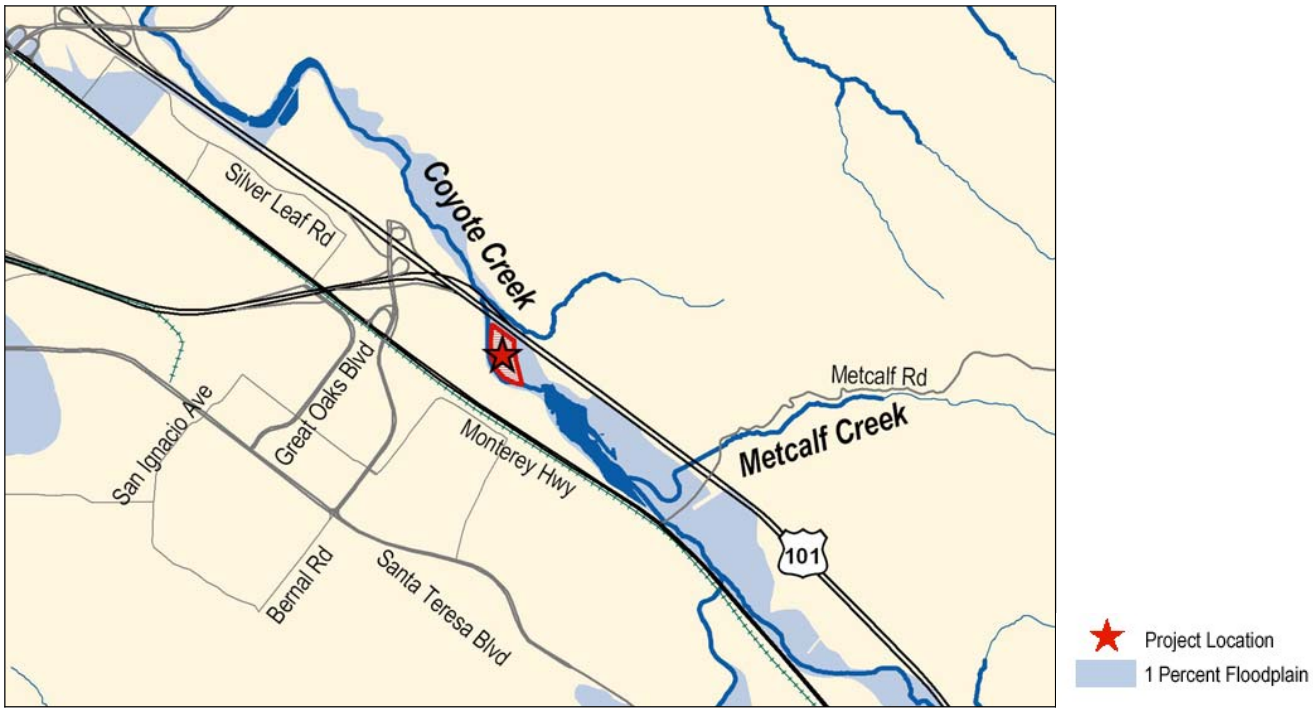
East Bank of the Quarry Pond in the Coyote Parkway Lakes complex.

PROJECT DESCRIPTION

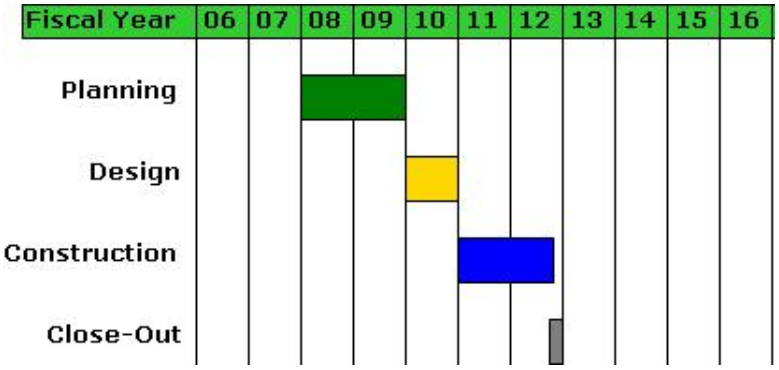
This project plans, designs, and constructs a freshwater wetland basin at the Quarry Pond in the Coyote Parkway Lakes area. The project is located north of the Coyote Percolation Dam, near the intersection of Monterey Road and southeast of the Highway 101 and Highway 85 interchange in San Jose. The project will accomplish the following objectives:

- Meet the regulatory mitigation requirements for implementation of the Stream Maintenance Program (SMP) to allow the District to continue maintaining flood protection for Santa Clara Valley residents.
- Create 3 acres of freshwater wetland habitat to support local wetland-related plants and wildlife, in place of the proposed Los Capitancillos Wetland Creation Project.
- Identify possible enhancement opportunities for presentation to the Board of Directors.

PROJECT LOCATION



PROJECT SCHEDULE
July 2007 to June 2012



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
SMP Mitigation, Coyote Quarry Pond Freshwater Wetland	0	0	0	381	381	654	2,472	500	4,388
with inflation	0	0	0	404	416	736	2,866	597	5,019

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
SMP Mitigation, Coyote Quarry Pond Freshwater Wetland	0	0	0	0	404	416	736	2,866	597	5,019

FUNDING SOURCES
(in thousands $)

SCVWD Lower Peninsula Fund—5%	251
SCVWD West Valley Fund—19%	954
SCVWD Guadalupe Fund—23%	1,154
SCVWD Coyote Fund—34%	1,707
SCVWD Watershed Stream Stewardship Fund—19%	954
Total	5,019

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $50,000 per year.

USEFUL LIFE: 50+ Years

Project	**SMP Mitigation, Pajaro Basin Freshwater Wetland**
Program	Mitigation
Priority No.	40
Project No.	62754001
District Contact	Katherine Oven koven@valleywater.org

Uvas-Carnadero Creek flooding the proposed wetland site

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to create a freshwater wetland in the Pajaro Basin. The project is located on the District's Carnadero Preserve, approximately two miles south of Gilroy. The project will accomplish the following objectives:

- Provide freshwater wetland habitat to meet the District's mitigation requirements for the Multi-Year Stream Maintenance Program (SMP) in the Pajaro Basin.
- Provide 4 acres of freshwater wetland habitat to support local wetland-related plants and wildlife.
- Identify possible enhancement opportunities for presentation to the Board of Directors.

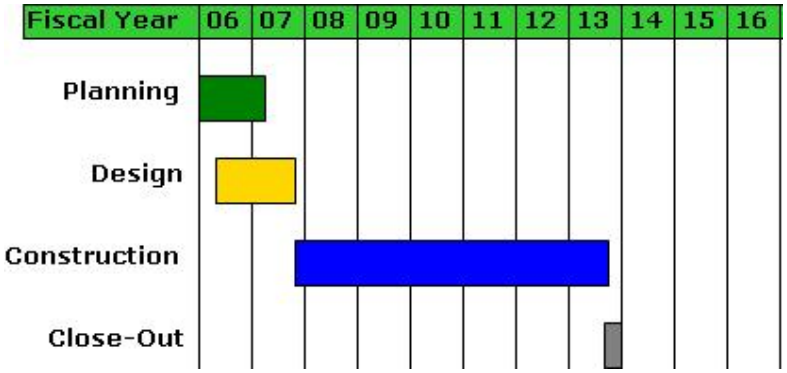
PROJECT LOCATION

Project Location

PROJECT SCHEDULE

January 2004 to June 2013

Construction includes 5 years of mitigation compliance monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
SMP Mitigation, Pajaro Basin Freshwater Wetland	843	762	1,628	540	105	105	105	145	4,233
with inflation	843	762	1,677	573	115	118	122	176	4,385

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
SMP Mitigation, Pajaro Basin Freshwater Wetland	1,673	281	349	1,327	573	115	118	122	176	4,385

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Uvas/Llagas Fund – 80%	3,508
SCVWD Watershed Stream Stewardship Fund – 20%	877
Total	4,385

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $50,000 per year.

USEFUL LIFE: 50+ Years

Project	SMP Mitigation, Stream and Watershed Land Preservation
Program	Mitigation
Priority No.	29
Project No.	62184001
District Contact	Katherine Oven koven@valleywater.org

Creek-side settings such as this will be used for Stream and Watershed Land Preservation. Actual locations will differ.

PROJECT DESCRIPTION

This project preserves streams and watershed lands in the Santa Clara Basin and implements appropriate restorations in these lands to accomplish the following objectives:

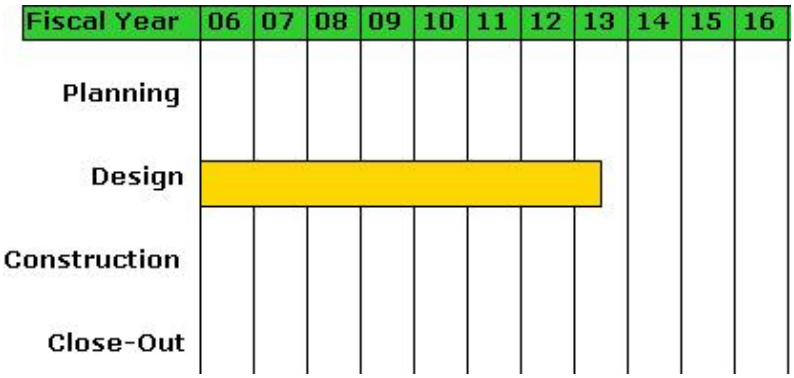
- Provide 71 acres of Stream Maintenance Program (SMP) mitigation credits through preservation of approximately 720 to 950 acres of streams and watershed lands to provide long-term protection of unique and valuable local stream resources and watersheds, in a largely self-sustaining setting. Approximately 108 acres of the total land preservation will be for protection of riparian and upland habitats that are known to support California red-legged frogs and Western pond turtles.
- Provide approximately 10 acres of SMP mitigation credits through environmental restoration on the lands acquired.
- Seek opportunities to partner with other organizations to accomplish the project objectives.

PROJECT LOCATION

The project will purchase multiple sites for preservation in Santa Clara Basin. No map is provided.

PROJECT SCHEDULE

January 2002 to December 2012



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
SMP Mitigation, Stream and Watershed Land Preservation	114	3,725	4,622	1,862	1,713	1,713	1,713	1,713	17,175
with inflation	114	3,725	4,761	1,975	1,872	1,928	1,986	2,045	18,406

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
SMP Mitigation, Stream and Watershed Land Preservation	7,463	0	3,624	1,137	1,975	1,872	1,928	1,986	2,045	18,406

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

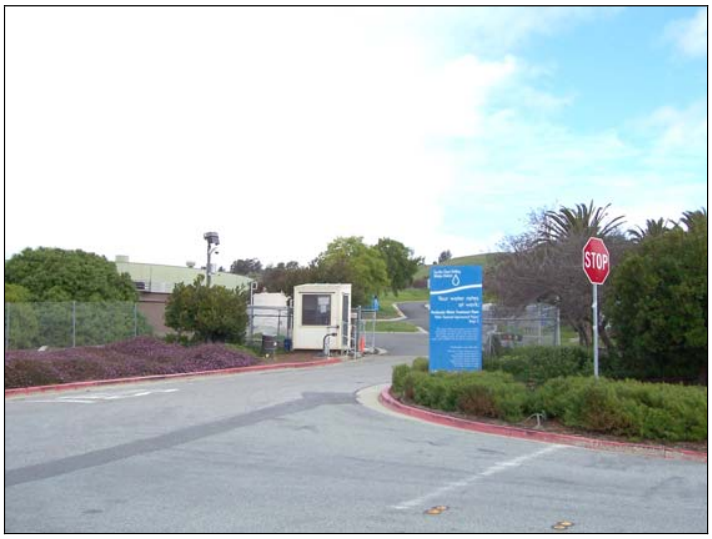
SCVWD Lower Peninsula Fund—5%	920
SCVWD West Valley Fund—19%	3,497
SCVWD Guadalupe Fund—23%	4,233
SCVWD Coyote Fund—34%	6,258
SCVWD Watershed Stream Stewardship Fund—19%	3,497
Total	18,406

OPERATING COST IMPACTS

Operating cost will vary, depending on each specific site, and will be provided for each land preservation opportunity, as they are identified.

USEFUL LIFE: 50+ Years

Project	WTIP Mitigation, Landscape and Site Improvements at PWTP
Program	Mitigation
Priority No.	36
Project No.	93234037
Oversight Mgr.	Gary Kawaoka gkawaoka@valleywater.org

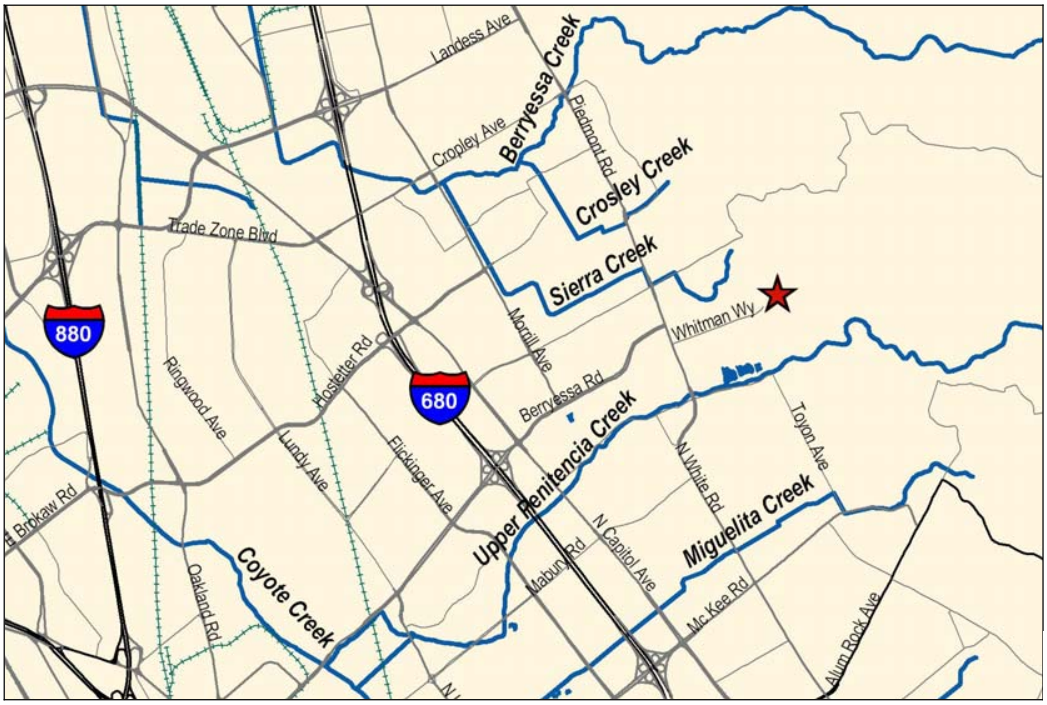


The main entrance to Penitencia Water Treatment Plant, where a new front entrance and landscaping will improve the public's view of the plant

PROJECT DESCRIPTION

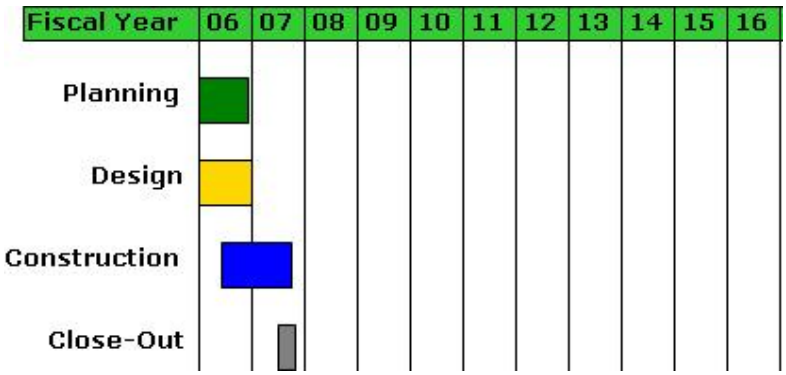
This project plans, designs and constructs landscaping and aesthetic improvements at the Penitencia Water Treatment Plant (PWTP) to comply with the California Environmental Quality Act (CEQA) mitigation measures specified in the Board-adopted Mitigated Negative Declaration for the Water Treatment Improvement Project (WTIP), Stage 2.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
April 2004 to April 2007



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
WTIP Mitigation, Landscape and Site Improvements at PWTP	682	580	2,993	0	0	0	0	0	4,255
with inflation	682	580	3,083	0	0	0	0	0	4,345

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
WTIP Mitigation, Landscape and Site Improvements at PWTP	1,025	1,591	1,354	1,729	0	0	0	0	0	4,345

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	4,345
Other Funding Source	0
Total	4,345

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $25,000 per year.

USEFUL LIFE: 50+ Years

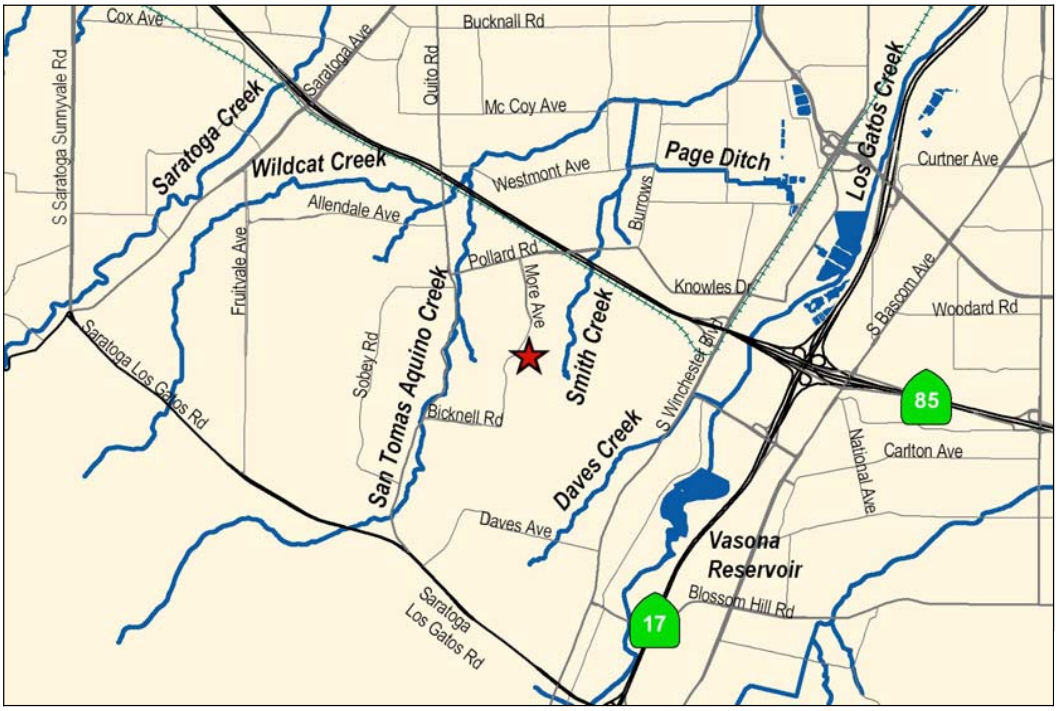
Project	WTIP Mitigation, Landscape and Site Improvements at RWTP
Program	Mitigation
Priority No.	28
Project No.	93294039
Project Mgr.	Gary Kawaoka gkawaoka@valleywater.org

The More Avenue entrance to RWTP, showing the primary area to be screened from the surrounding neighborhood

PROJECT DESCRIPTION

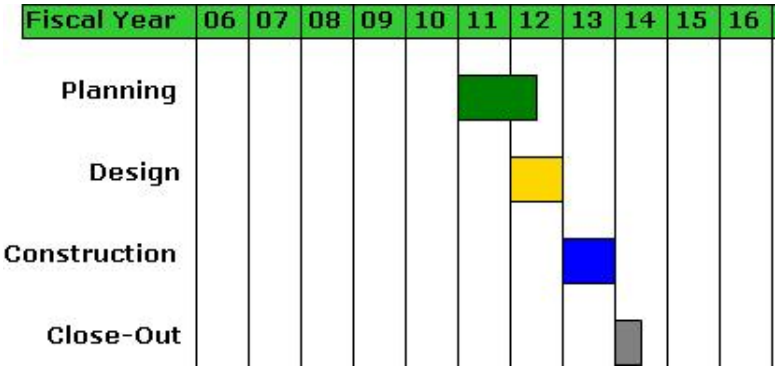
This project plans, designs, and constructs landscaping and erosion mitigation improvements at the Rinconada Water Treatment Plant (RWTP), to comply with the California Environmental Quality Act (CEQA) mitigation measures specified in the Board-adopted Mitigated Negative Declaration for the Water Treatment Improvement Project (WTIP), Stage 2.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2010 to December 2013



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
WTIP Mitigation, Landscape & Site Improvements at RWTP	6	0	0	0	0	0	100	622	728
with inflation	6	0	0	0	0	0	116	762	884

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
WTIP Mitigation, Landscape & Site Improvements at RWTP	13	0	7	0	0	0	0	109	762	884

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	884
Other Funding Source	0
Total	884

OPERATING COST IMPACTS
Operating cost impacts are anticipated and will be determined in the planning phase of the project.

USEFUL LIFE: 50+ Years

Project	WTIP Mitigation, Landscape and Site Improvements at STWTP
Program	Mitigation
Priority No.	37
Project No.	93284032
Oversight Mgr.	Gary Kawaoka gkawaoka@valleywater.org

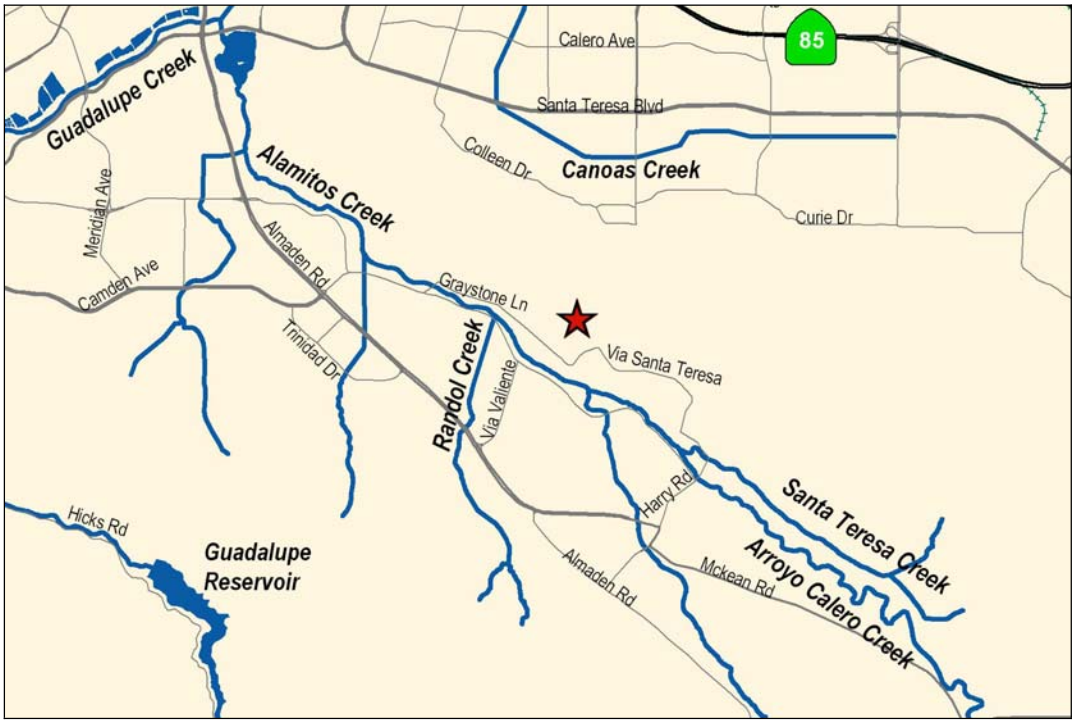
Aerial view of Santa Teresa Water Treatment Plant and its surroundings

PROJECT DESCRIPTION

This project plans, designs and constructs landscaping and erosion mitigation improvements at the Santa Teresa Water Treatment Plant (STWTP), to accomplish the following objectives

- Comply with the California Environmental Quality Act (CEQA) mitigation measures specified in the Board-adopted Mitigated Negative Declaration for the Water Treatment Improvement Project (WTIP), Stage 2.
- Implement corrective measures for the soil erosion occurring at the southeast corner of the plant.

PROJECT LOCATION

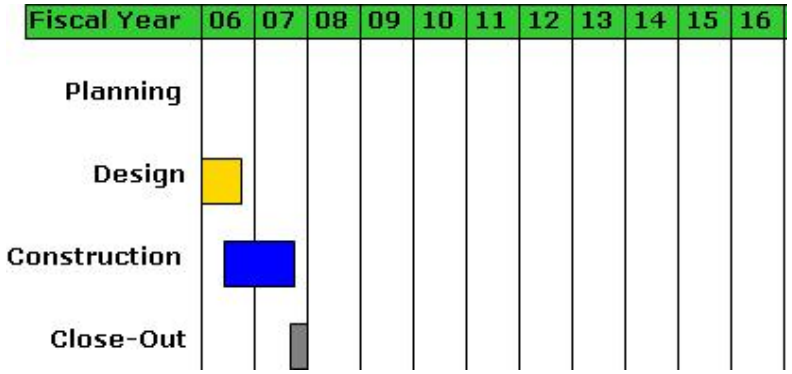


Project Location

PROJECT SCHEDULE

April 2004 to June 2007

Planning phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
WTIP Mitigation, Landscape and Site Improvements at STWTP	515	380	1,610	0	0	0	0	0	2,505
with inflation	515	380	1,658	0	0	0	0	0	2,553

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
WTIP Mitigation, Landscape and Site Improvements at STWTP	989	1,571	1,665	0	0	0	0	0	0	2,560

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,560
Other Funding Source	0
Total	2,560

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $15,000 per year.

USEFUL LIFE: 50+ Years

ENVIRONMENTAL ENHANCEMENT CAPITAL IMPROVEMENTS

ENVIRONMENTAL ENHANCEMENT OVERVIEW

The environmental enhancement capital improvements are implemented to meet the Board's Ends Policy E–3.3, "Environmental enhancements are implemented to improve watersheds, streams, and the natural resources therein." The District currently does not have completed environmental enhancement sites.

The District's Clean, Safe Creeks and Natural Flood Protection Program, approved by the voters of Santa Clara County 2000, committed funding for environmental enhancement activities that create or restore tidal or riparian habitat. A selection process is conducted biannually to allocate the Clean, Safe Creeks funding to the enhancement opportunities that meet Board-defined characteristics.

Other enhancement opportunities, typically not funded by the Clean, Safe Creeks funding are also recommended to the Board and implemented if determined appropriate by the Board.

In both cases, the approved opportunities include both capital projects and operational activities. The capital projects are included in the CIP. Major capital improvements identified in the CIP include:

- Clean, Safe Creeks environmental enhancement capital projects
- Alviso Slough Restoration project
- Gold Street Education Center project
- Fish and Aquatic Habitat Collaborative Effort enhancement opportunity
- Natural Resource Damage Assessment enhancement opportunity

Priority Process and Financial Analysis

A rigorous priority setting process was conducted to rate the environmental enhancement projects against other types of capital improvements. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for environmental enhancement capital improvements was conducted to determine if there are limitations to funding currently planned capital projects.

- Guadalupe Watershed Fund
- Clean Safe Creek Fund
- Water Enterprise Fund

Results of this year's prioritization process are summarized in Appendix B. The process concluded that funding needs for currently planned environmental enhancement projects can be met.

ENVIRONMENTAL ENHANCEMENT CAPITAL IMPROVEMENTS

The following table is a project funding schedule for environmental enhancement capital improvements, resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the page number identified. The chart also identifies partially funded projects and estimated unspent appropriations from FY 2005-06.

Environmental Enhancement - Funded Projects

Pg #	Project Name	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total District
V-3	Alviso Slough Restoration	934	730	129	446	194	317	0	0	0	2,621
V-5	EEP Soap Lake Floodplain Property Acquisition	0	0	0	2	263	0	0	0	0	265
V-7	EEP Stevens Creek Corridor Restoration, Blackberry Farms	0	0	0	300	327	0	225	0	0	852
V-9	EEP Upper Pajaro Watershed Vegetative Buffer Strips	161	280	155	36	164	0	0	0	0	641
V-11	FAHCE, Stevens Creek Fish Ladder at Evelyn Ave	0	0	0	0	0	0	0	1,127	2,364	3,491
V-13	FAHCE, Stevens Creek Fish Ladder at Fremont Ave	0	0	0	0	0	0	0	767	5,419	6,186
V-15	FAHCE, Stevens Creek Fish Ladder at Moffett Ave	0	0	0	0	0	0	0	881	2,651	3,532
V-17	FAHCE, Stevens Creek Dam Portable Multi-Port Outlet	0	0	0	0	0	0	0	151	1,212	1,363
V-19	Gold Street Educational Center	0	97	0	0	0	0	0	0	0	97
V-21	NRDA Enhancement, Jacques Gulch Restoration	1,115	368	0	580	368	3,156	191	104	72	5,954
	TOTAL	**2,210**	**1,475**	**284**	**1,364**	**1,316**	**3,473**	**416**	**3,030**	**11,719**	**25,003**

Partially funded (Funded portion shown)

FY 2005-06 Funds to be reappropriated

The following table shows funding requirements from each funding source for environmental enhancement capital improvements.

Environmental Enhancement - Funding Sources

Funding Sources	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total District
Guadalupe Watershed Fund	934	827	129	446	194	317	0	0	0	2,718
Clean, Safe Creeks and Natural Flood Protection Fund	161	280	155	338	754	0	225	0	0	1,758
Watershed Stream Stewardship Fund	0	0	0	0	0	0	0	293	1,165	1,457
SCVWD Water Utility Enterprise	1,115	368	0	580	368	3,156	191	2,738	10,554	19,070
TOTAL	**2,210**	**1,475**	**284**	**1,364**	**1,316**	**3,473**	**416**	**3,030**	**11,719**	**25,003**

FY 2005-06 Funds to be reappropriated

Project	Alviso Slough Restoration
Program	Environmental Enhancement
Priority No.	26
Project No.	30154029
District Contact	Katherine Oven koven@valleywater.org

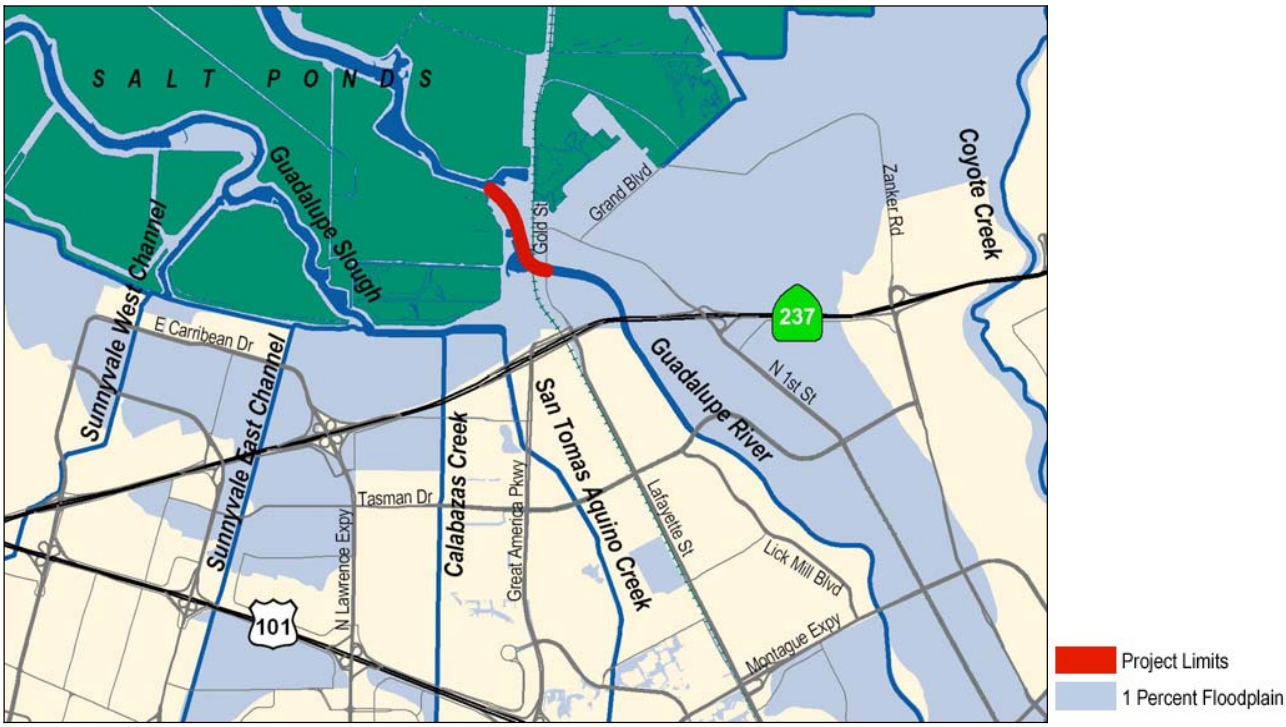
Alviso Slough as seen from Gold Street Bridge

PROJECT DESCRIPTION

This project plans, designs and constructs improvements to remove 7 acres of vegetation and root mass from Alviso Slough between the Gold Street Bridge and County Marina to accomplish the following objectives:

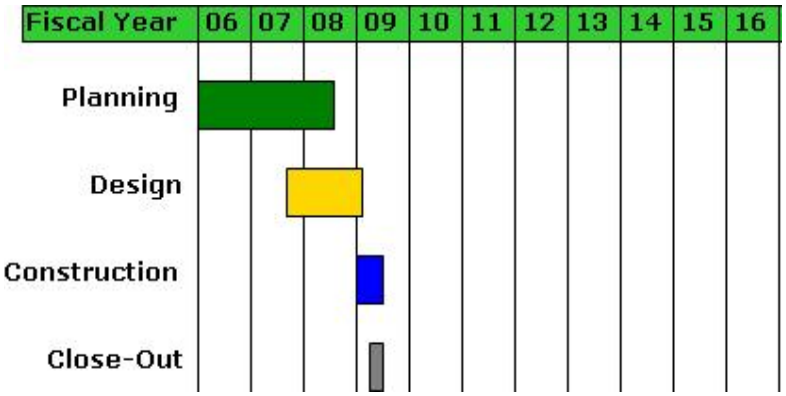
- Restore the slough's open water channel width to conditions that existed prior to 1983.
- Improve navigation so the community can expand on boating and other recreational opportunities.
- Restore historic and public access and aesthetics for the Alviso community.
- Maintain one-percent flood protection in Alviso Slough.
- Reduce mosquito nuisance.
- Expand open water habitat and inundated mudflat habitat of the slough.
- Promote integration with the Salt Pond Restoration Program to bring salt water connections to the Lower Guadalupe River.

PROJECT LOCATION



PROJECT SCHEDULE

November 2004 to December 2008



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Alviso Slough Restoration	81	1,454	558	183	290	0	0	0	2,566
with inflation	81	1,454	575	194	317	0	0	0	2,621

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Alviso Slough Restoration	934	730	129	446	194	317	0	0	0	2,621

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Guadalupe Fund	2,621
Other Funding Sources	0
Total	2,621

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 50+ Years

Project	EEP Soap Lake Floodplain Property Acquisition
Program	Environmental Enhancement
Priority No.	30
Project No.	26074009
District Contact	Marc Klemencic mklemencic@valleywater.org

No Picture Available

PROJECT DESCRIPTION

This project partners with various regional stakeholders to acquire 25 acres of property easements or property as recommended by the Pajaro River Flood Prevention Authority's Soap Lake Preservation Project to accomplish the following objectives.

- Secure development rights to prevent development and preserve the Pajaro River floodplain referred to as the Soap Lake floodplain.
- Implement environmental, floodplain, and water quality benefits, consistent with the voter-approved Clean, Safe Creeks and Natural Flood Protection Program Environmental Enhancement Program (EEP) Outcome #3 objective: Create wetlands, riparian habitat, and favorable stream conditions for fisheries and wildlife.
- Develop and implement recreational opportunities, where possible.

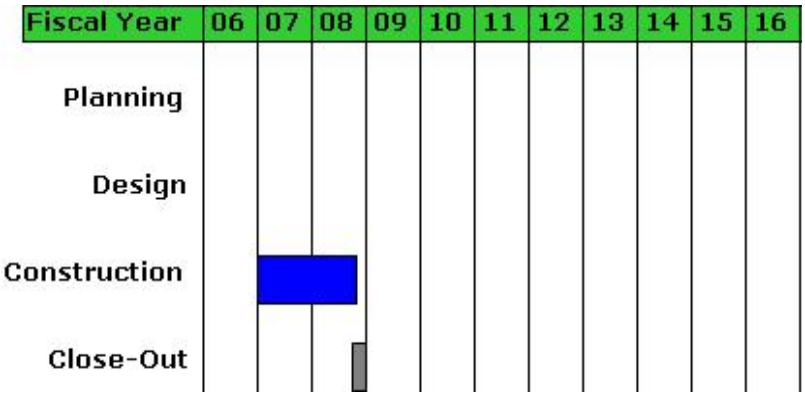
PROJECT LOCATION

PROJECT SCHEDULE

July 2006 to June 2008

The schedule for this project is dependent on the availability of willing sellers. Property acquisition is shown in the construction phase.

Planning and design phases are not applicable to this project.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
EEP Soap Lake Floodplain Property Acquisition	0	0	2	248	0	0	0	0	250
with inflation	0	0	2	263	0	0	0	0	265

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
EEP Soap Lake Floodplain Property Acquisition	0	0	0	2	263	0	0	0	0	265

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Program)	265
Other Funding Source	0
Total	265

OPERATING COST IMPACTS

Since the District is not likely to hold title on the properties acquired, the completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 50+ Years

Project	EEP Stevens Creek Corridor Restoration, Blackberry Farms
Program	Environmental Enhancement
Priority No.	38
Project No.	26074008
District Contact	Beau Goldie bgoldie@valleywater.org

Stevens Creek, looking downstream, near McClellan Ranch

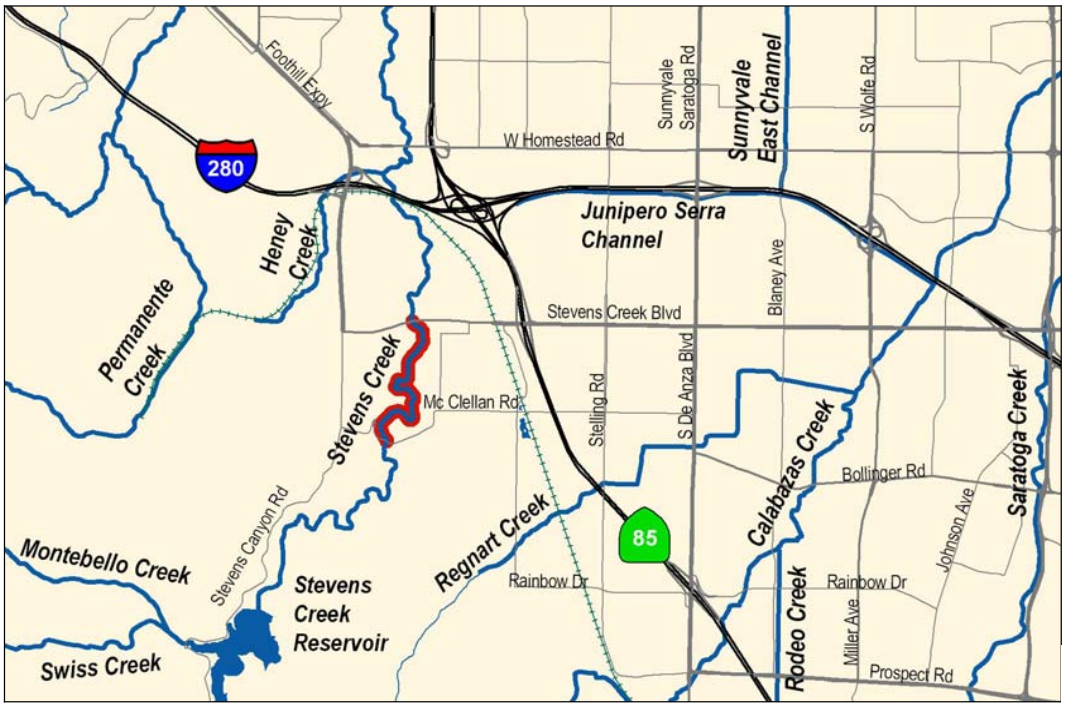
PROJECT DESCRIPTION

This project partners with the City of Cupertino, who will construct improvements to Stevens Creek, from Stevens Creek Boulevard to McClellan Road near Blackberry Farms, to accomplish the following objectives:

- Restore four acres of Stevens Creek riparian habitat.
- Fulfill part of the District's Fish and Aquatic Habitat Collaborative Effort (FAHCE) requirements.
- Remove four fish barriers.
- Implement environmental, floodplain, and water quality benefits, consistent with the voter-approved Clean, Safe Creeks and Natural Flood Protection Program Environmental Enhancement Program (EEP) Outcome #3 objective: Create wetlands, riparian habitat, and favorable stream conditions for fisheries and wildlife.

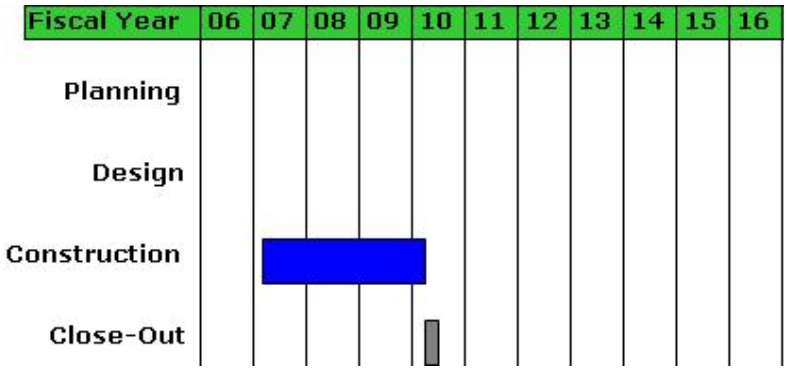
This project is one element of a larger project that is being done by the City of Cupertino, to convert a corporate picnicking business to a community park with environmental emphasis and creek restoration. The District will oversee the elements of the project that relate to the District's environmental enhancement objectives. Planning and Design were funded in the District's operating program.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
September 2006 to December 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
EEP Stevens Creek Corridor Restoration, Blackberry Farms	0	0	291	309	0	200	0	0	800
with inflation	0	0	300	327	0	225	0	0	852

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
EEP Stevens Creek Corridor Restoration, Blackberry Farms	0	0	0	300	327	0	225	0	0	852

FUNDING SOURCES
(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Program)	852
Other Funding Source	0
Total	852

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs, because the facility is owned by the City of Cupertino.

USEFUL LIFE: 50+ Years

Project	EEP Upper Pajaro Watershed Vegetative Buffer Strips
Program	Environmental Enhancement
Priority No.	40
Project No.	26074040
District Contact	Marc Klemencic mklemencic@valleywater.org

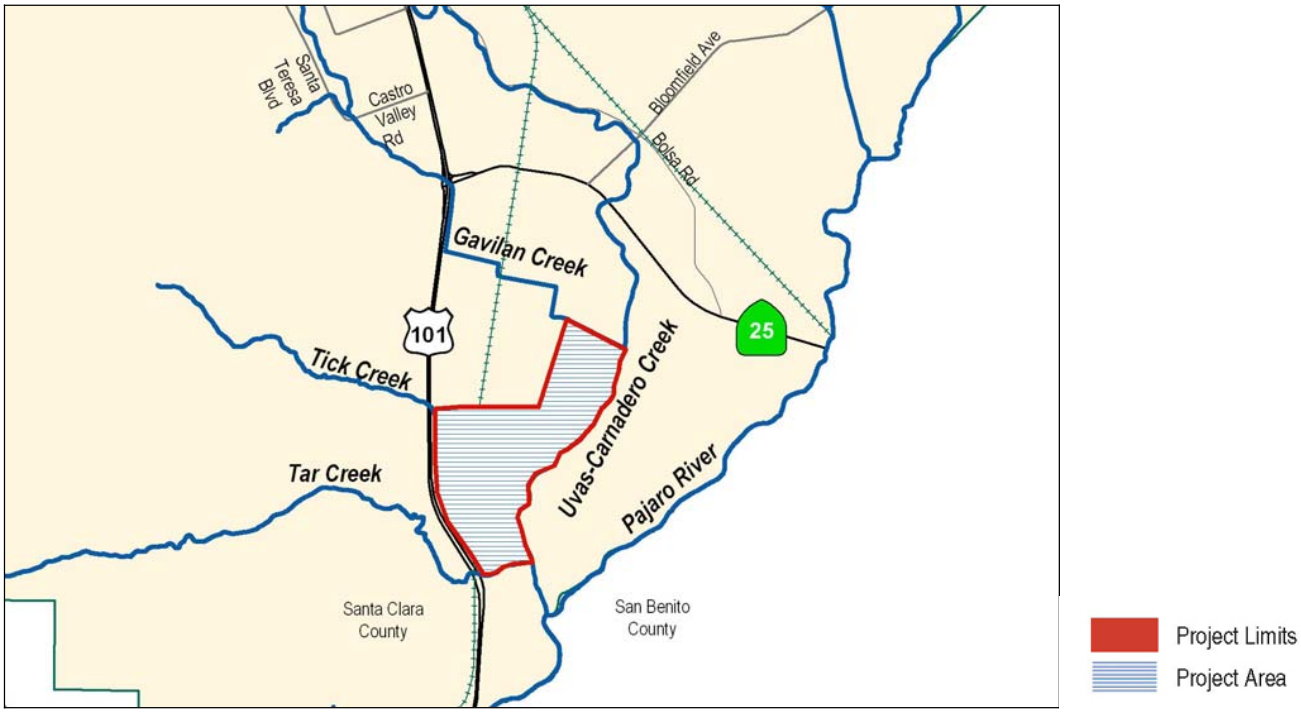
Installation of grass buffer strip between row crops on the left and a drainage channel on the right

PROJECT DESCRIPTION

This project plans, designs, installs, and monitors approximately 3 acres of vegetative buffer or filter strips, composed primarily of native perennial grasses, installed between actively farmed land and a surface water body, within the Pajaro River Watershed. The project also produces and distributes an irrigation management brochure. This project is consistent with the following objectives:

- Comply with provisions of the State Water Resources Control Board (SWRCB) 2003 Clean Water Act 319(h) Non-Point Source Implementation Grant contract.
- Comply with future total maximum daily load (TMDL) requirements for sediment and nutrients in the Pajaro River, which are currently under development.
- Implement environmental, floodplain, and water quality benefits, consistent with the voter-approved Clean, Safe Creeks and Natural Flood Protection Program Environmental Enhancement Program (EEP) Outcome #3 objective: Create wetlands, riparian habitat, and favorable stream conditions for fisheries and wildlife.

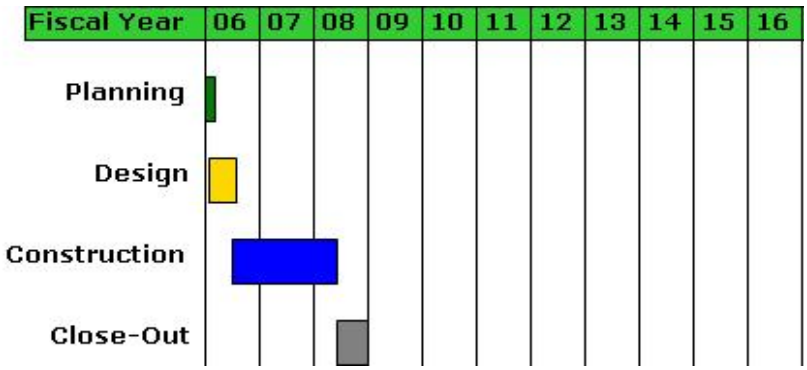
PROJECT LOCATION



PROJECT SCHEDULE

January 2004 to June 2008

Planning phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
EEP Upper Pajaro Watershed Vegetative Buffer Strips	161	125	185	155	0	0	0	0	626
with inflation	161	125	191	164	0	0	0	0	641

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
EEP Upper Pajaro Watershed Vegetative Buffer Strips	161	280	155	36	164	0	0	0	0	641

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Program)	403
SWRQB Non-Point Source Implementation Grant	238
Total	641

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 50+ Years

Project	FAHCE Stevens Creek Fish Ladder at Evelyn Avenue
Program	Environmental Enhancement
Priority No.	26
Project No.	62C40144
District Contact	Gary Kawaoka gkawaoka@valleywater.org

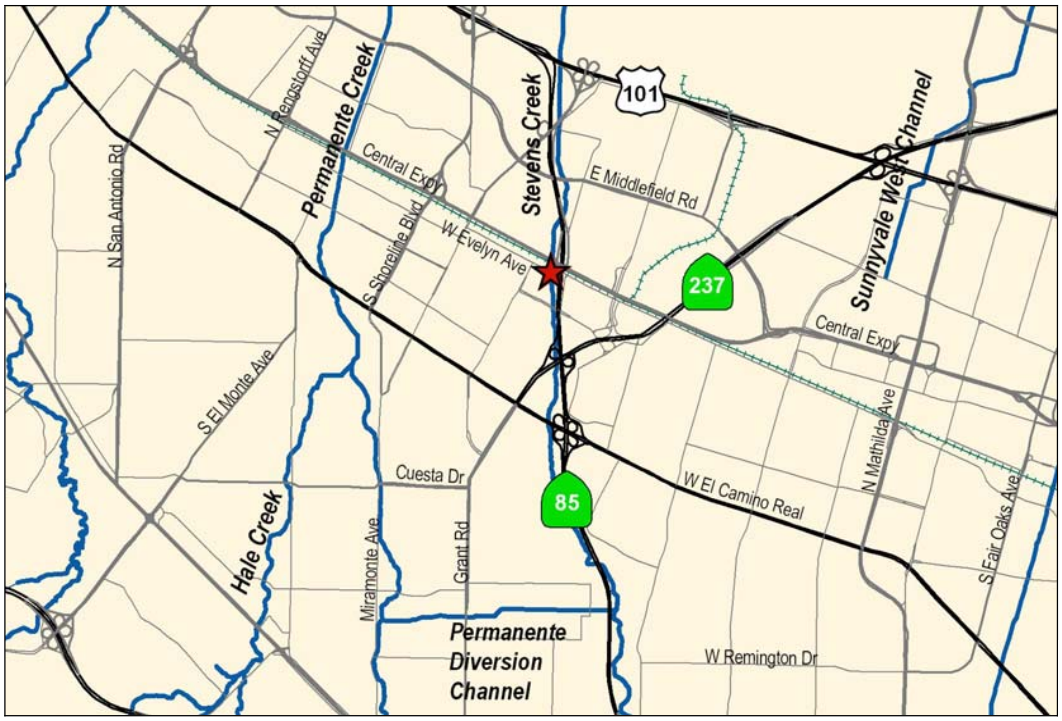
Stevens Creek Fish Ladder at Evelyn Avenue will be modified or reconstructed to allow for better fish passage.

PROJECT DESCRIPTION

This project plans, designs, and modifies or reconstructs a fish passage on Stevens Creek at Evelyn Avenue to accomplish the following objectives:

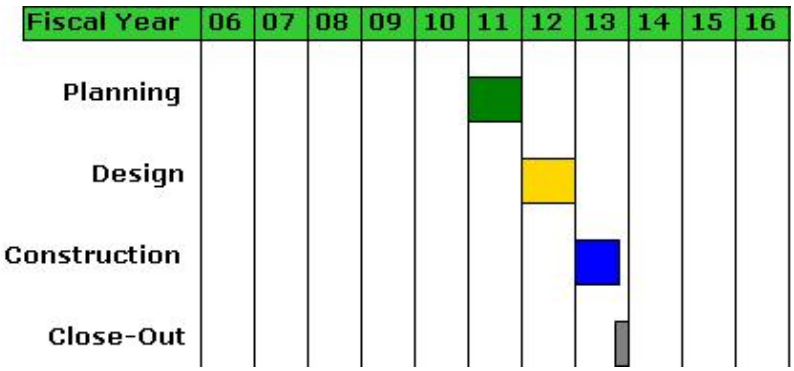
- Meet the District's mitigation obligation resulting from the Fish and Aquatic Habitat Collaborative Effort (FAHCE).
- Restore and maintain a healthy steelhead trout population in the Stevens Creek watershed.
- Provide a suitable spawning and rearing habitat below Stevens Creek Dam within a cold water management zone determined on an annual basis through the development of an operations plan.
- Provide adequate passage for adult steelhead trout to reach suitable spawning and rearing habitat and for out-migration of juveniles.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2010 to June 2013



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
FAHCE Stevens Creek Fish Ladder at Evelyn Avenue	0	0	0	0	0	0	972	1,945	2,917
with inflation	0	0	0	0	0	0	1,127	2,364	3,491

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned District Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
FAHCE Stevens Creek Fish Ladder at Evelyn Avenue	0	0	0	0	0	0	0	1,127	2,364	3,491

FUNDING SOURCES
(in thousands $)

SCVWD Watershed Stream Stewardship Fund—10%	349
SCVWD Water Utility Enterprise Fund—90%	3,142
Total	3,491

OPERATING COST IMPACTS
The completion of this project is anticipated to decrease operating costs by approximately $8,000 per year.

USEFUL LIFE: 50+ Years

Project	FAHCE Stevens Creek Fish Ladder at Fremont Avenue
Program	Environmental Enhancement
Priority No.	26
Project No.	62C40146
District Contact	Gary Kawaoka gkawaoka@valleywater.org

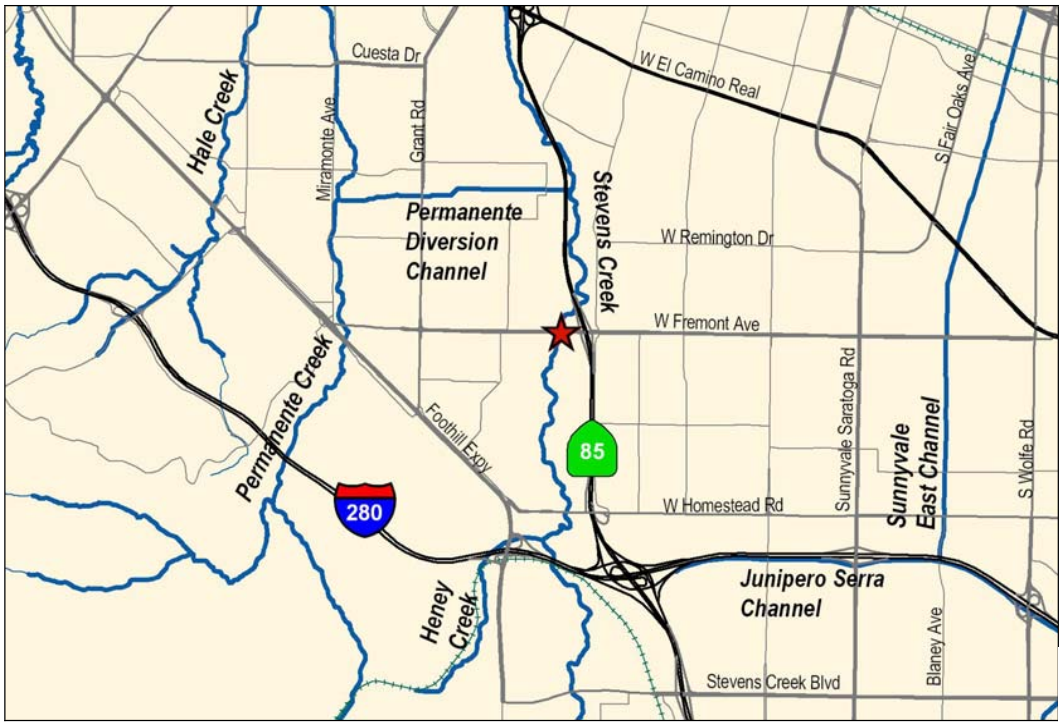
Stevens Creek Fish Ladder at Fremont Avenue will be modified or reconstructed to allow for better fish passage.

PROJECT DESCRIPTION

This project plans, designs, and modifies or reconstructs a fish passage on Stevens Creek at Fremont Avenue to accomplish the following objectives:

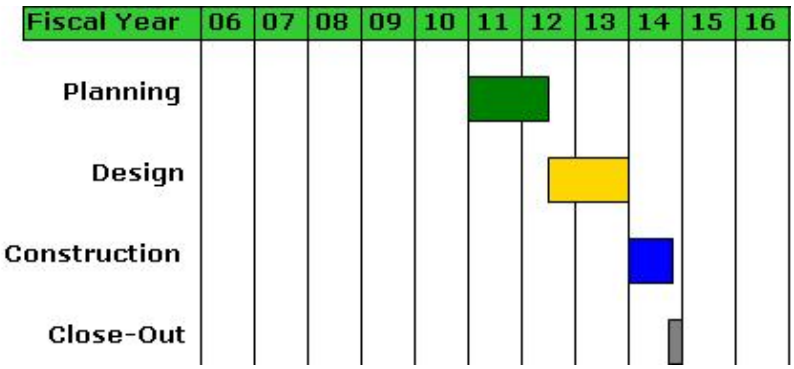
- Meet the District's mitigation obligation resulting from the Fish and Aquatic Habitat Collaborative Effort (FAHCE).
- Restore and maintain a healthy steelhead trout population in the Stevens Creek watershed.
- Provide a suitable spawning and rearing habitat below Stevens Creek Dam within a cold water management zone determined on an annual basis through the development of an operations plan.
- Provide adequate passage for adult steelhead trout to reach suitable spawning and rearing habitat and for out-migration of juveniles.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2010 to June 2014



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
FAHCE Stevens Creek Fish Ladder at Fremont Avenue	0	0	0	0	0	0	662	4,335	4,997
with inflation	0	0	0	0	0	0	767	5,419	6,186

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
FAHCE Stevens Creek Fish Ladder at Fremont Avenue	0	0	0	0	0	0	0	767	5,419	6,186

FUNDING SOURCES
(in thousands $)

SCVWD Watershed Stream Stewardship Fund—10%	619
SCVWD Water Utility Enterprise Fund—90%	5,567
Total	6,186

OPERATING COST IMPACTS
The completion of this project is anticipated to decrease operating costs by approximately $8,000 per year.

USEFUL LIFE: 50+ Years

Project	FAHCE Stevens Creek Fish Ladder at Moffett Boulevard
Program	Environmental Enhancement
Priority No.	26
Project No.	62C40145
District Contact	Gary Kawaoka gkawaoka@valleywater.org

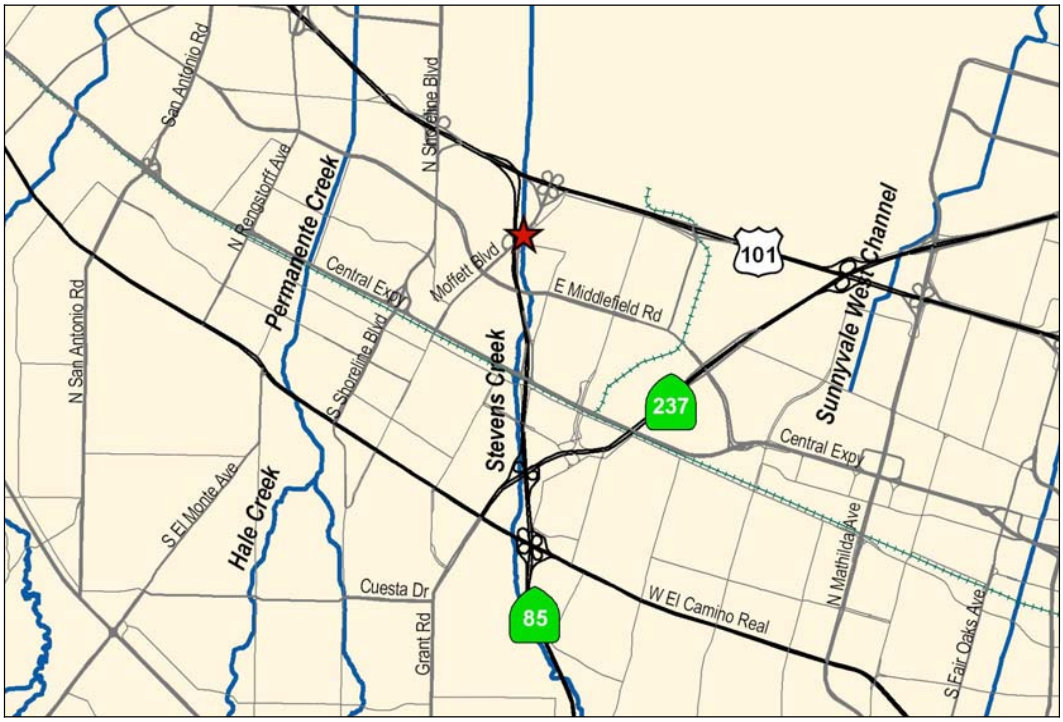
Stevens Creek Fish Ladder at Moffett Boulevard, to be modified or reconstructed to allow for better fish passage.

PROJECT DESCRIPTION

This project plans, designs, and modifies or reconstructs a fish passage on Stevens Creek at Moffett Boulevard to accomplish the following objectives:

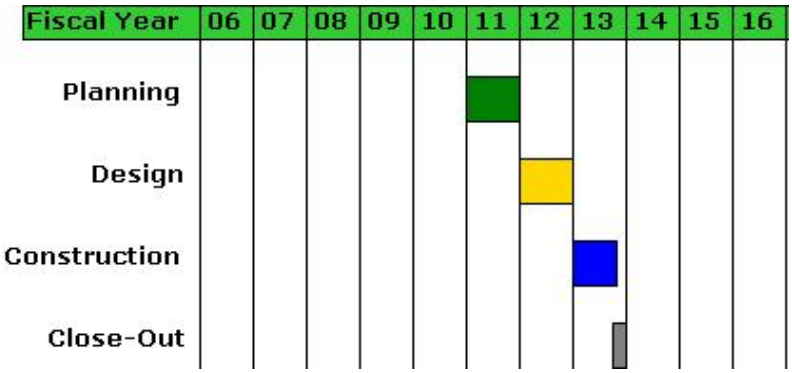
- Meet the District's mitigation obligation resulting from the Fish and Aquatic Habitat Collaborative Effort (FAHCE).
- Restore and maintain a healthy steelhead trout population in the Stevens Creek watershed.
- Provide a suitable spawning and rearing habitat below Stevens Creek Dam within a cold water management zone determined on an annual basis through the development of an operations plan.
- Provide adequate passage for adult steelhead trout to reach suitable spawning and rearing habitat and for out-migration of juveniles.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2010 to June 2013



EXPENDITURE SCHEDULE
in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
FAHCE Stevens Creek Fish Ladder at Moffett Boulevard	0	0	0	0	0	0	760	2,178	2,938
with inflation	0	0	0	0	0	0	881	2,651	3,532

FUNDING SCHEDULE
in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
FAHCE Stevens Creek Fish Ladder at Moffett Boulevard	0	0	0	0	0	0	0	881	2,651	3,532

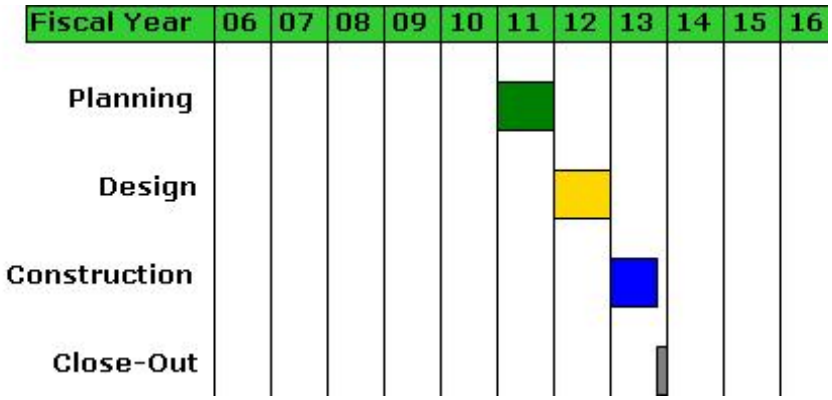
FUNDING SOURCES
(in thousands $)

SCVWD Watershed Stream Stewardship Fund—10%	353
SCVWD Water Utility Enterprise Fund—90%	3,179
Total	3,532

OPERATING COST IMPACTS
The completion of this project is anticipated to decrease operating costs by approximately $8,000 per year.

USEFUL LIFE: 50+ Years

PROJECT SCHEDULE
July 2010 to June 2013



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures						
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future
FAHCE Stevens Creek Dam Portable Multi-Port Outlet	0	0	0	0	0	0	130	992
with inflation	0	0	0	0	0	0	151	1,212

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests				
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future
FAHCE Stevens Creek Dam Portable Multi-Port Outlet	0	0	0	0	0	0	0	151	1,212

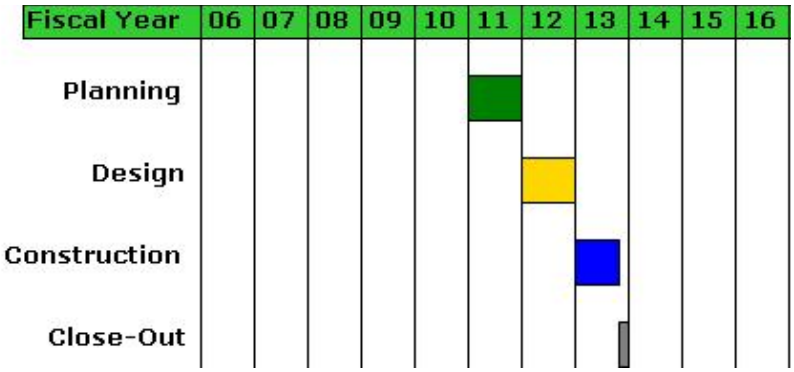
FUNDING SOURCES
(in thousands $)

SCVWD Watershed Stream Stewardship Fund—10%	136
SCVWD Water Utility Enterprise Fund—90%	1,227
Total	1,363

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $12,000 per year.

USEFUL LIFE: 35+ Years

PROJECT SCHEDULE
July 2010 to June 2013



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
FAHCE Stevens Creek Dam Portable Multi-Port Outlet	0	0	0	0	0	0	130	992	1,122
with inflation	0	0	0	0	0	0	151	1,212	1,363

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
FAHCE Stevens Creek Dam Portable Multi-Port Outlet	0	0	0	0	0	0	0	151	1,212	1,363

FUNDING SOURCES
(in thousands $)

SCVWD Watershed Stream Stewardship Fund—10%	136
SCVWD Water Utility Enterprise Fund—90%	1,227
Total	1,363

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $12,000 per year.

USEFUL LIFE: 35+ Years

Project	Gold Street Educational Center
Program	Environmental Enhancement
Priority No.	26
Project No.	30154028
District Contact	Katherine Oven koven@valleywater.org

Proposed location of the Gold Street Educational Center on State Lands Commission property adjacent to the Guadalupe River.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Gold Street, adjacent to the Guadalupe River in Alviso, to provide an outdoor educational center for the Alviso community that may incorporate the following elements:

- Interpretive displays.
- Landscaping with native vegetation.
- Links to recreation trails.

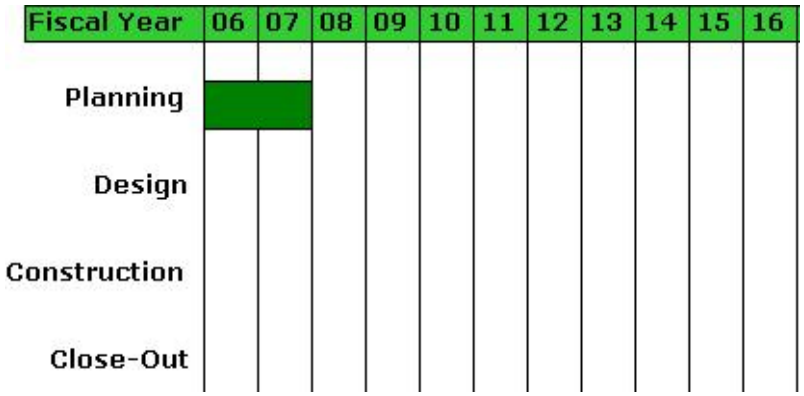
This project is currently funded for the feasibility phase only. The scope, schedule, costs and funding sources will be determined at the completion of the feasibility phase. The District will pursue possible grant funding from California Costal Conservancy.

PROJECT LOCATION

PROJECT SCHEDULE

January 2005 to June 2007

(Feasibility Phase Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Gold Street Educational Center	1	96	0	0	0	0	0	0	97
with inflation	1	96	0	0	0	0	0	0	97

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Gold Street Educational Center	0	97	0	0	0	0	0	0	0	97

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Guadalupe Fund	97
Other Funding Source	0
Total	97

OPERATING COST IMPACTS

Increase in annual operating costs is anticipated and will be determined during the planning phase.

USEFUL LIFE: 50+ Years

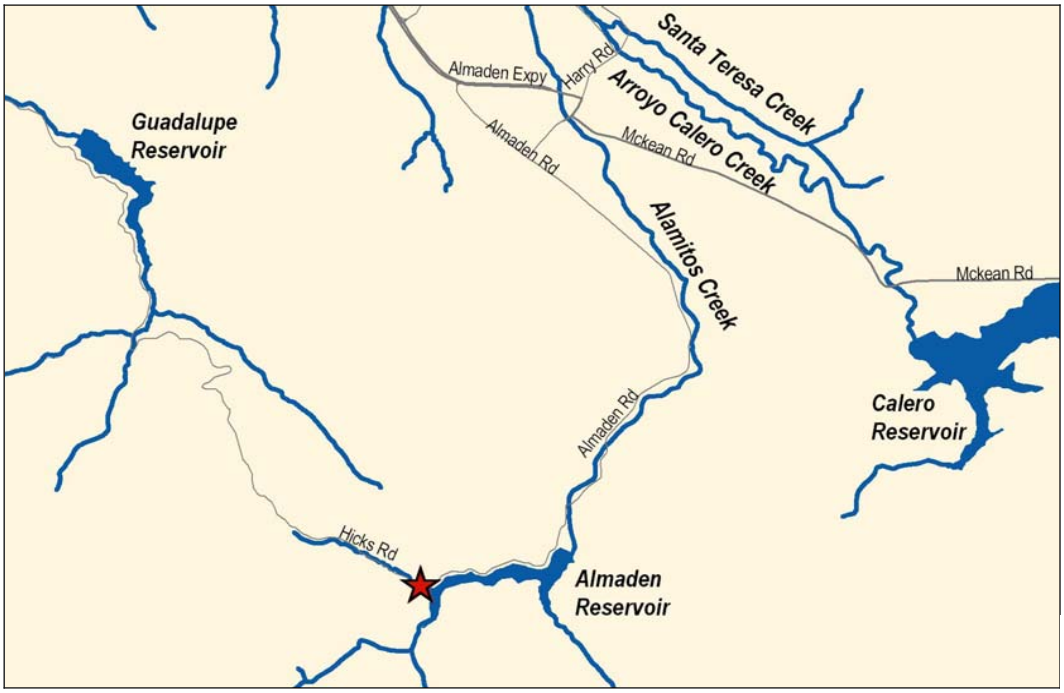
Project	NRDA Enhancement, Jacques Gulch Restoration
Program	Environmental Enhancement
Priority No.	25
Project No.	91854002
District Contact	Jim Fiedler jfiedler@valleywater.org

Geotechnical analysis of calcine deposits to determine mercury depth and concentration.

PROJECT DESCRIPTION

This project removes highly toxic mercury at Jacques Gulch, a tributary to the Almaden Reservoir, to restore habitat, improve and protect water quality at Almaden Reservoir, and comply with the conditions specified in the Natural Resource Damage Assessment (NRDA) settlement.

PROJECT LOCATION

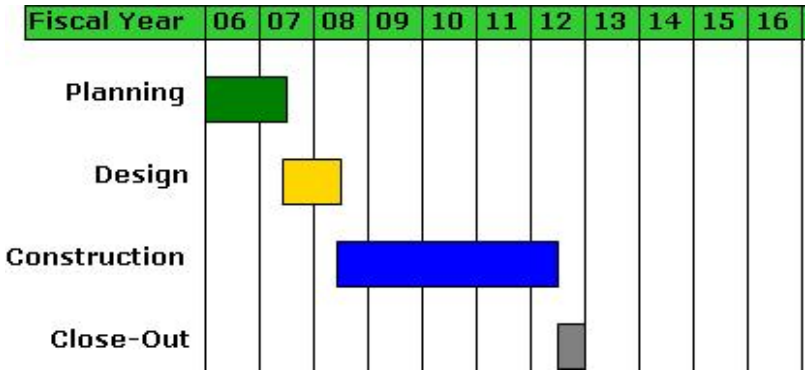


Project Location

PROJECT SCHEDULE

April 2003 to June 2012

Construction includes 3 years of monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
NRDA Enhancement - Jacques Gulch Restoration	53	1,430	563	347	2,888	170	90	60	5,601
with inflation	53	1,430	580	368	3,156	191	104	72	5,954

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
NRDA Enhancement - Jacques Gulch Restoration	1,115	368	0	580	368	3,156	191	104	72	5,954

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,891
Guadalupe Rubbish Disposal Company	63
Total	**5,954**
County of Santa Clara	4,000

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $5,000 per year.

USEFUL LIFE: Not Available

BUILDING AND GROUNDS CAPITAL IMPROVEMENTS

BUILDINGS AND GROUNDS OVERVIEW

The District's Almaden-Winfield campus occupies nearly 50 acres along Almaden Expressway in the City of San Jose. The District manages the campus to ensure a healthful and safe work environment for employees and visitors. The campus includes 10 buildings, multiple parking lots, a corporation yard, landscaping, and other appurtenances. The District administers an asset management program for its buildings and grounds infrastructure that includes a schedule for maintenance and rehabilitation to ensure that each facility functions as intended over its useful life.

Overview

The Almaden-Winfield campus includes multiple buildings, parking lots, corporation yards, landscapes, and other facilities.

1990s through 2000

In 1990, the Board approved the District's Facilities Master Plan which identified the space needs and recommendations to meet the needs. To implement the Master Plan, the District planned, designed, and built the Headquarter Building during this period.

2000 through 2006

With completion of the Headquarters Building in 1999, capital improvements for Almaden-Winfield Campus were significantly reduced. Projects during this period were mostly to repair and rehabilitate older buildings. Major projects completed include:

- Child Care Center
- Solar Energy
- Administration Building HAVC Replacement

Although the size of the capital improvements is relatively small, the rehabilitation needs increased steadily during this period because most of the buildings on campus were approximately 30 years old. In 2005, a Needs Assessment and Plan Feasibility Study was completed to update the information developed in 1990. This plan identified the need for 50,000 square feet of additional office space on campus to house all office staff on site and replace the maintenance office building due to its age and condition.

The plan also identified the need for 20,000 square feet of additional corporation yard space and indicated that the corporation yard should be relocated if adequate space was not available on site.

Major Capital Improvements Identified in CIP

Initial steps were taken to implement the recommendations of the 2005 Needs Assessment and Plan Feasibility Study. Major capital improvements identified in the CIP include:

- Almaden Campus Data Center Upgrade
- Almaden Campus Administration Building Seismic Retrofit
- Almaden & Winfield Campus Small Capital Improvements

Priority Process and Financial Analysis

A rigorous priority setting process was conducted to rate the buildings and grounds projects against other type of capital improvements. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for buildings and grounds capital improvements was conducted to determine if there are limitations to funding all the proposed capital projects.

- Five Watershed Funds
- Watershed Stream Stewardship Fund
- General Fund
- Water Enterprise Fund

Results of this year's prioritization process and financial analysis are summarized in Appendix B. The process concluded that the identified buildings and grounds capital needs are larger than the funding capacity available from the eight funding sources. Consequently, adequate funding for implementation of the 2006 New Facilities Master Plan has not been identified (other than the Administration Building Seismic Retrofit project). The Board has appropriated funding in previous years to prepare for this capital need.

BUILDING AND GROUNDS CAPITAL IMPROVEMENTS

The appropriated amount is only part of the total funding needed and is shown in the Almaden and Winfield Campus Program Plan project in the chart below.

As of Fiscal Year 2005–06 approximately $6.8 million is not spent and is reappropriated in Fiscal Year 2007-08. However, this amount is not adequate to implement the recommendations in the plan.

The following table is a project funding schedule for buildings and grounds capital improvements, resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the page number identified. The chart also identifies partially funded projects and estimated unspent appropriations from FY 2005-06.

Buildings and Grounds – Funded Projects

Pg #	Project Name	Thru FY05	FY06	FY06 Unpsent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total District
VI-3	Almaden and Winfield Campus Program Plan	7,568	(324)	5,849	0	0	0	0	0	0	7,244
VI-5	Almaden and Winfield Campus, Small Capital Improvements	7,705	1,819	0	2,060	2,122	2,185	2,251	2,319	12,679	33,140
VI-7	Almaden Campus, Administration Building Seismic Retrofit	0	444	321	9	3,925	328	0	0	0	4,706
VI-9	Almaden Campus, Data Center Upgrade	0	590	506	0	0	0	0	0	0	590
VI-11	Telephones at Treatment Plants and Vasona	1,236	0	102	4	0	0	0	0	0	1,240
	TOTAL	**16,509**	**2,529**	**6,778**	**2,073**	**6,047**	**2,513**	**2,251**	**2,319**	**12,679**	**46,920**

Partially funded (Funded portion shown)

FY 2005-06 Funds to be reappropriated

The following table shows funding requirements from each funding source for buildings and grounds capital improvements.

Buildings and Grounds – Funding Source

Funding Sources	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
Lower Peninsula Watershed Fund	0	0	0	0	275	23	0	0	0	298
West Valley Watershed Fund	0	0	0	0	236	20	0	0	0	255
Guadalupe Watershed Fund	0	0	0	0	353	30	0	0	0	383
Coyote Watershed Fund	0	0	0	0	196	16	0	0	0	213
Uvas/Llagas Watershed Fund	0	0	0	0	79	7	0	0	0	85
Watershed Stream Stewardship Fund	0	0	0	0	314	26	0	0	0	340
General Fund	15,273	2,529	6,676	2,069	2,122	2,185	2,251	2,319	12,679	41,427
Water Enterprise Fund	1,236	0	102	4	2,473	207	0	0	0	3,919
TOTAL	**16,509**	**2,529**	**6,778**	**2,073**	**6,047**	**2,513**	**2,251**	**2,319**	**12,679**	**46,920**

FY 2005-06 Funds to be reappropriated

Project	Almaden and Winfield Campus Program Plan
Program	Buildings and Grounds
Priority No.	45
Project No.	60204023S
District Contact	Frank Maitski fmaitski@valleywater.org

Various Sites
No Picture available.

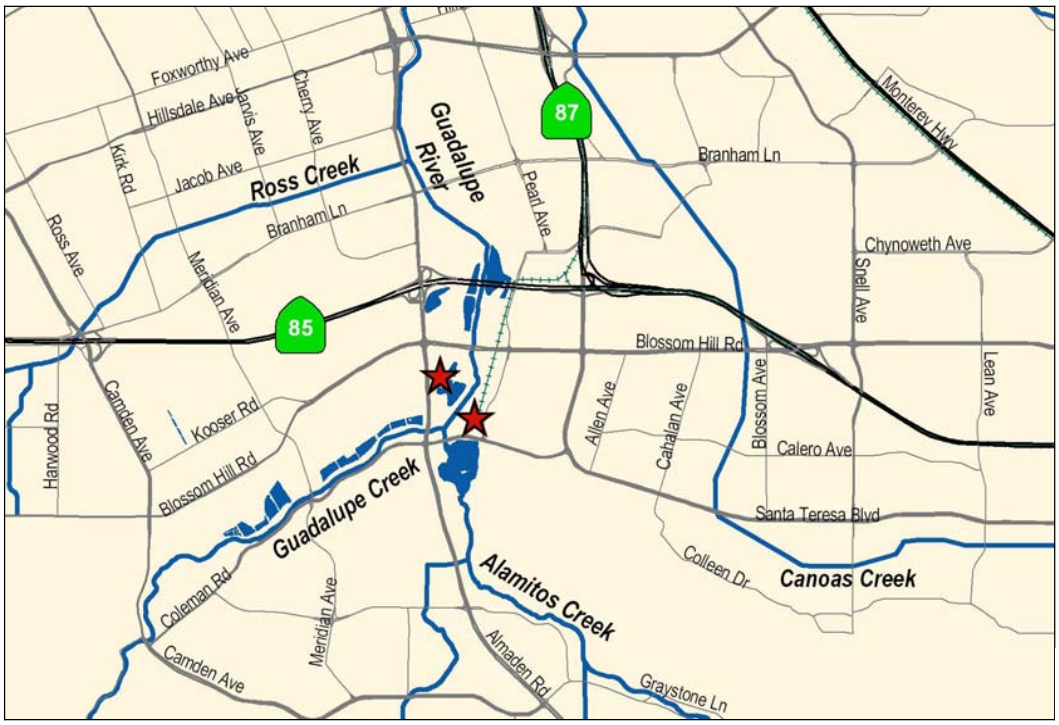
PROJECT DESCRIPTION

This project develops a program plan for the District's Almaden and Winfield Campus and implements the recommendations from the program plan to accomplish the following objectives:

- Maximize the utilization of the District's building facilities, with a focus on flexibility, operational efficiency, prudent financial stewardship, and increased customer service.
- Improve onsite pedestrian and vehicular traffic patterns and parking configurations to maximize safety and efficiency.
- Ensure that District facilities are safe and provide for a healthy work environment.

This project is currently funded through the program development phase only. The scope, schedule, costs and funding sources to implement the recommendations of the program plan (expansion of office space and relocation of corporation yard) will be determined in Fiscal Year 2006-07.

PROJECT LOCATION

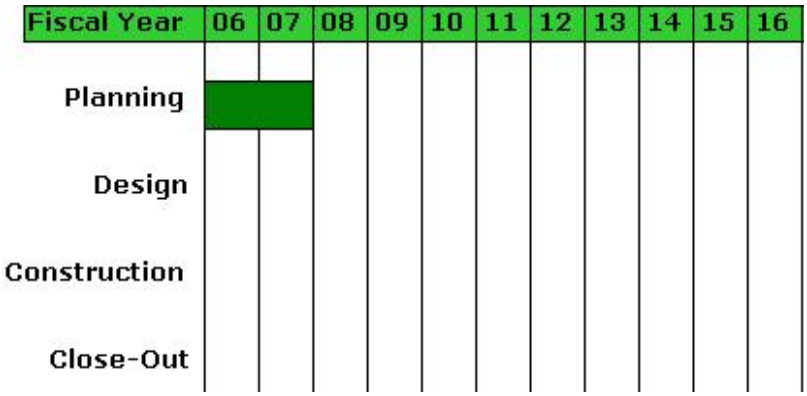


Project Location

PROJECT SCHEDULE

January 2000 to June 2007

(Planning Phase Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Almaden & Winfield Campus Masterplan	1,224	70	0	0	0	0	0	0	1,294
with inflation	1,224	70	0	0	0	0	0	0	1,294
Almaden Campus Expansion Program Plan	1	100	500	0	0	0	0	0	601
with inflation	1	100	515	0	0	0	0	0	616
TOTAL	1,225	170	500	0	0	0	0	0	1,895
with inflation	1,225	170	515	0	0	0	0	0	1,910

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Almaden & Winfield Campus Masterplan	1,623	-329	0	0	0	0	0	0	0	1,294
Almaden Campus Expansion Program Plan	5,945	5	5,849	0	0	0	0	0	0	5,950
TOTAL	7,568	-324	5,849	0	0	0	0	0	0	7,244

- Adjusted Budget includes adopted budget plus a planned budget adjustment that moves $329,000 Carry Forward to Seismic Upgrades.
- The total planned expenditure is $5,334,000 less than the available project funding. The unspent budget will be used to fund the program plan recommendations approved by District's Board of Directors.

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	7,244
Other Funding Source	0
Total	7,244

OPERATING COST IMPACTS

Planning Phase Only – The completion of this phase of the project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available

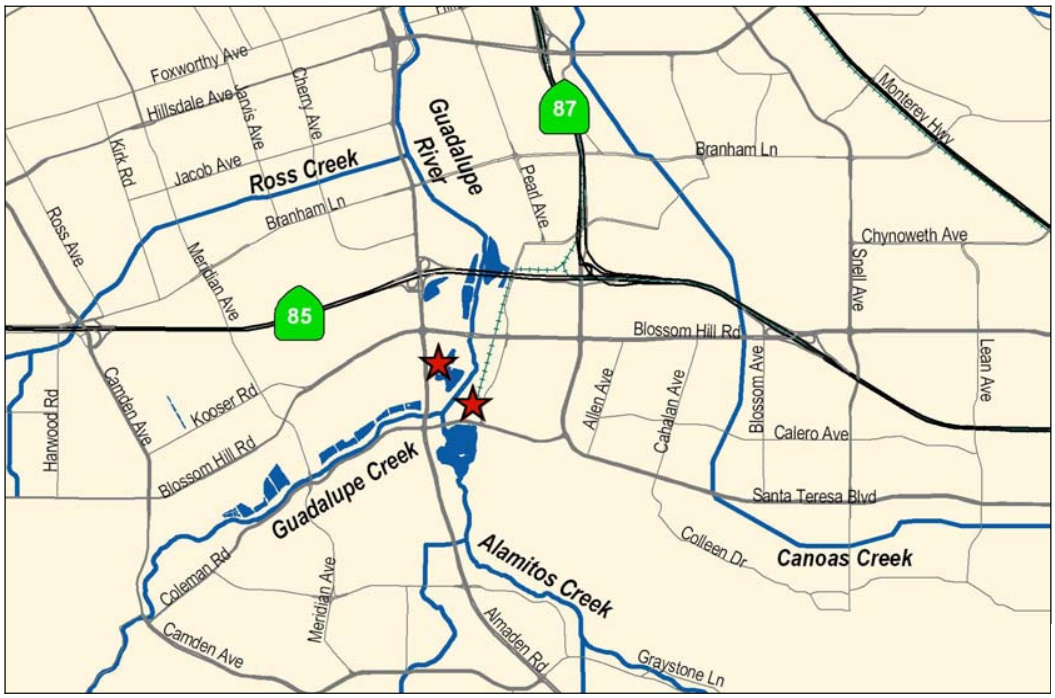
Project	**Almaden and Winfield Campus, Small Capital Improvements**
Program	Buildings and Grounds
Priority No.	52
Project No.	60204016
District Contact	Frank Maitski fmaitski@valleywater.org

Workers perform asphalt maintenance by putting an overlay on the existing parking lot in front of the District's Administration Building.

PROJECT DESCRIPTION

This project reserves funding for capital maintenance and replacement of buildings, grounds, and facilities on the Almaden and Winfield campus, to provide a healthy and safe environment for staff and visitors.

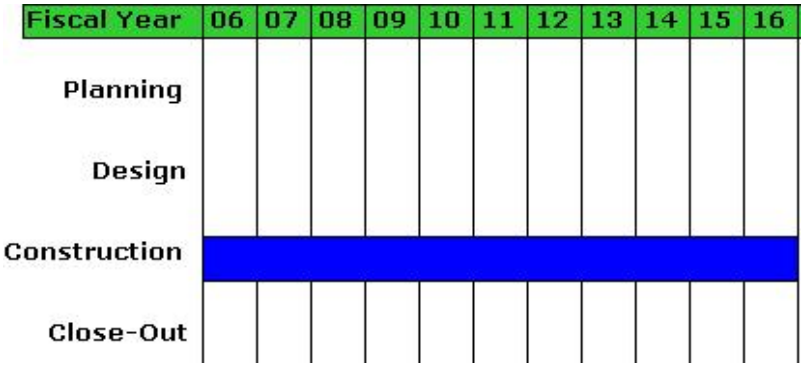
PROJECT LOCATION



Project Location

PROJECT SCHEDULE

Improvements will be managed on an as-needed basis throughout the year.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Almaden and Winfield Campus, Small Capital Improvements	7,596	1,928	2,000	2,000	2,000	2,000	2,000	10,000	29,524
with inflation	7,596	1,928	2,060	2,122	2,185	2,251	2,319	12,679	33,140

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Almaden and Winfield Campus, Small Capital Improvements	7,705	1,819	0	2,060	2,122	2,185	2,251	2,319	12,679	33,140

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	33,140
Other Funding Source	0
Total	33,140

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 50+ Years

Project	Almaden Campus, Administration Building Seismic Retrofit
Program	Buildings and Grounds
Priority No.	55
Project No.	60204028
District Contact	Frank Maitski fmaitski@valleywater.org

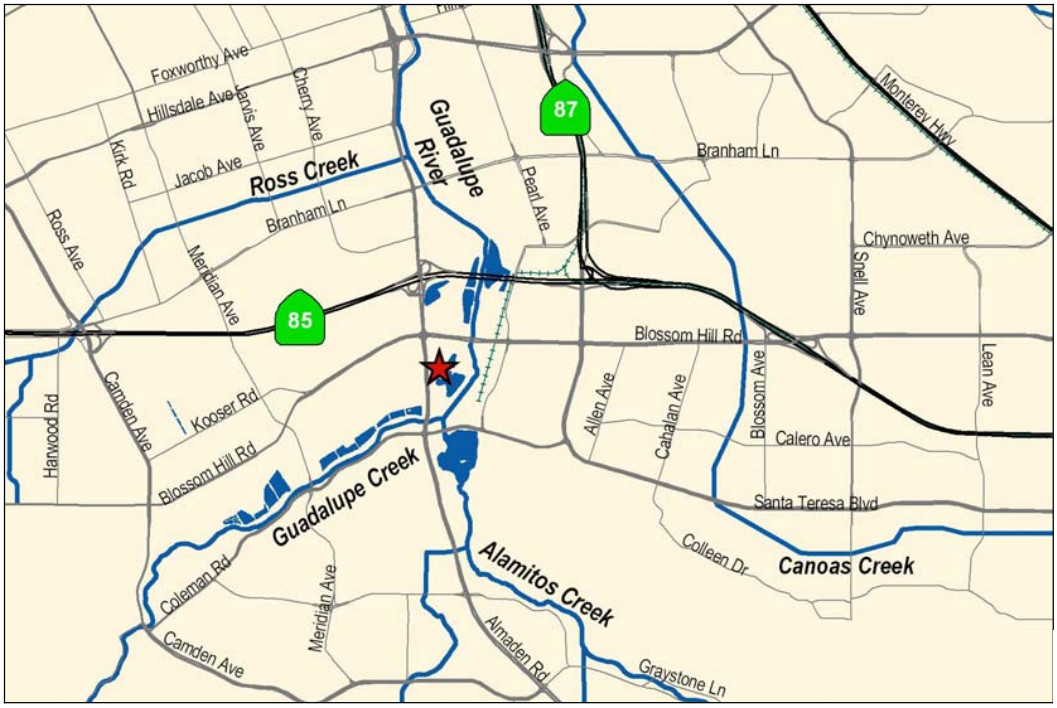
The District's Administration Building

PROJECT DESCRIPTION

This project plans, designs, and constructs seismic upgrades at the District's Administration Building to accomplish the following objectives:

- Comply with current building codes and design standards.
- Ensure a safe work environment for District employees.

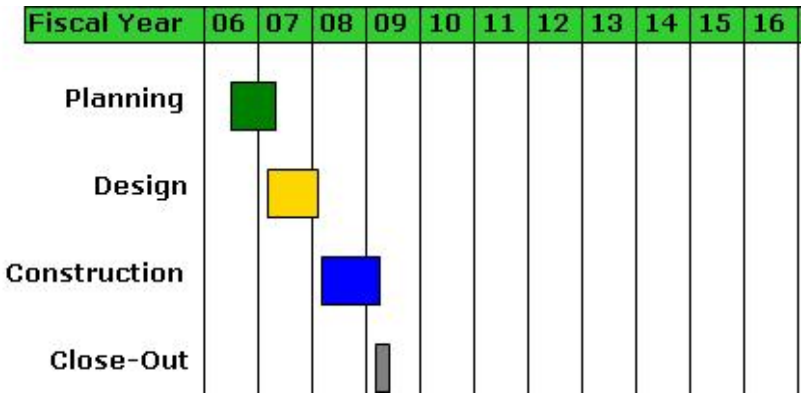
PROJECT LOCATION



Project Location

PROJECT SCHEDULE

January 2006 to November 2008



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Almaden Campus , Administration Building Seismic Upgrades	0	124	320	3,700	300	0	0	0	4,444
with inflation	0	124	330	3,925	328	0	0	0	4,706

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Almaden Campus , Administration Building Seismic Upgrades	0	444	321	9	3,925	328	0	0	0	4,706

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.
FY 2006 Adjusted Budget includes $329,000 in a planned budget adjustment.

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund—7%	298
SCVWD West Valley Fund—6%	255
SCVWD Guadalupe Fund—9%	383
SCVWD Coyote Fund—5%	213
SCVWD Uvas Llagas Fund—2%	85
SCVWD Watershed/Stream Stewardship Fund—8%	340
SCVWD Water Utility Enterprise Fund—63%	2,679
SCVWD General Fund*	453
Total	4,706

*Funding prior to FY 2008 is borne by the General Fund. Allocation to the other funds (above) begins in FY 2008.

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 50+ Years

Project	**Almaden Campus Data Center Upgrade**
Program	Buildings and Grounds
Priority No.	61
Project No.	60194002
District Contact	Seth Johnson sjohnson@valleywater.org

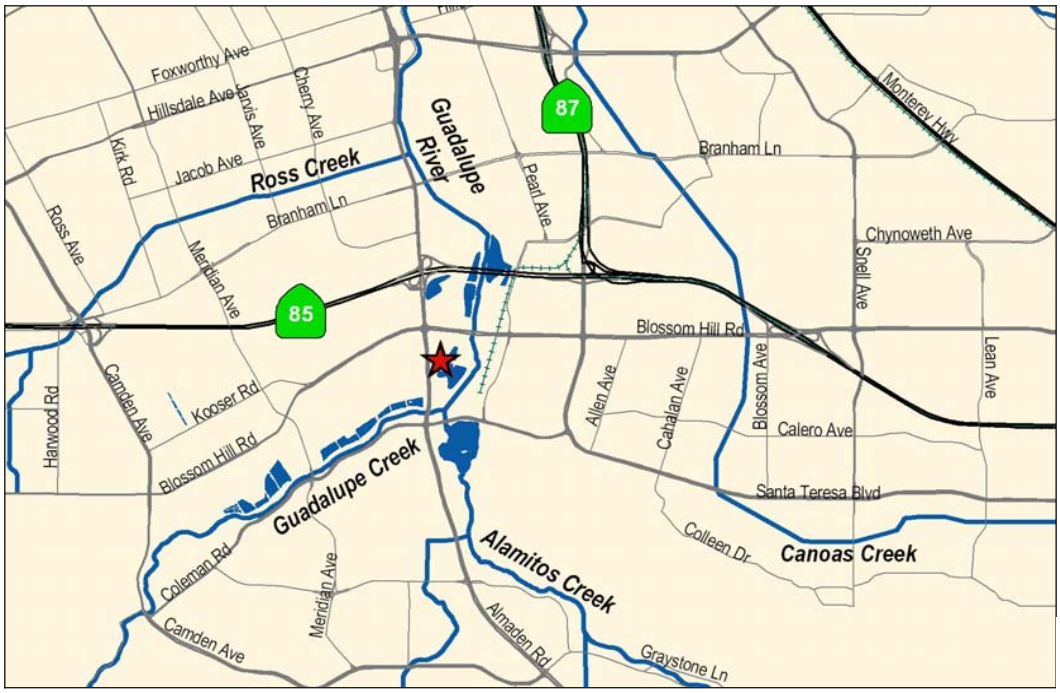
The old computer room was originally designed to house a mainframe computer. With the innovation in computers today, the computer room will be reconfigured to support a server farm.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the District's Data Center to accomplish the following objectives:

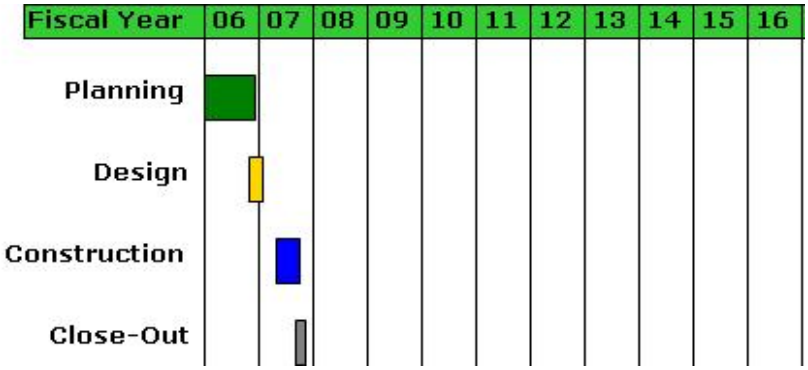
- Implement an uninterruptible power supply solution that can grow with District needs and generate as little heat as possible.
- Reconfigure the Data Center cooling system to draw out heat and force in cool air in specific areas of the room where it is needed.
- Reconfigure space to support server farm.
- Provide adequate generator capacity to allow air conditioning systems to remain functional.
- Replace the raised floor and reroute cables, conduit, power lines, and telephone equipment above the floor.
- Implement a fire suppressing solution that puts the Data Center at minimum risk of a water discharge inside the room.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2005 to April 2007



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Almaden Campus Data Center Upgrade	0	84	491	0	0	0	0	0	575
with inflation	0	84	506	0	0	0	0	0	590

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Almaden Campus Data Center Upgrade	0	590	506	0	0	0	0	0	0	590

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES
(in thousands $)

SCVWD General Fund	590
Other Funding Source	0
Total	590

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operations costs.

USEFUL LIFE: 10 to 15 Years

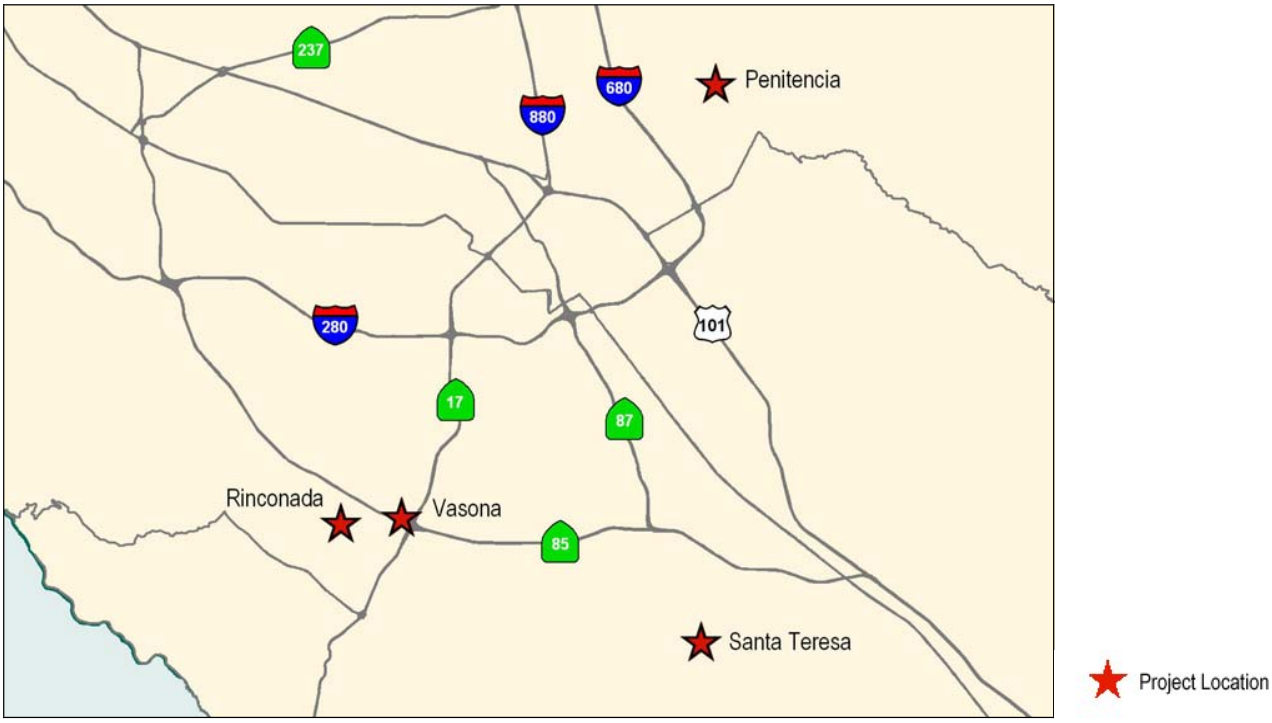
Project	Telephones at Treatment Plants and Vasona
Program	Buildings and Grounds
Priority No.	34
Project No.	93234038S
District Contact	Seth Johnson sjohnson@valleywater.org

An example of existing telecommunication cross-connects at District facilities

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to replace and update existing 18- to 29-year-old telecommunications equipment with expanded service capacity at the Penitencia Water Treatment Plant (PWTP), Santa Teresa Water Treatment Plant (STWTP), Rinconada Water Treatment Plant (RWTP), and Vasona Pumping Station, Meter Shop, and Pilot Plant.

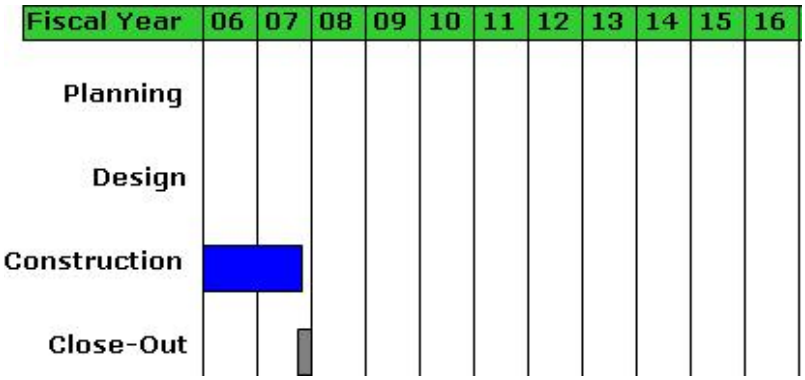
PROJECT LOCATION



PROJECT SCHEDULE

July 2003 to June 2007

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Telephones at Penitencia WTP	106	203	0	0	0	0	0	0	309
with inflation	106	203	0	0	0	0	0	0	309
Telephones at Vasona	52	206	51	0	0	0	0	0	309
with inflation	52	206	53	0	0	0	0	0	311
Telephones at Santa Teresa WTP	208	101	0	0	0	0	0	0	309
with inflation	208	101	0	0	0	0	0	0	309
Telephones at Rinconada WTP	74	184	51	0	0	0	0	0	309
with inflation	74	184	53	0	0	0	0	0	311
TOTAL	**440**	**694**	**102**	**0**	**0**	**0**	**0**	**0**	**1,236**
with inflation	**440**	**694**	**105**	**0**	**0**	**0**	**0**	**0**	**1,239**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
Telephones at Penitencia WTP	309	0	0	0	0	0	0	0	0	309
Telephones at Vasona	309	0	51	2	0	0	0	0	0	311
Telephones at Santa Teresa WTP	309	0	0	0	0	0	0	0	0	309
Telephones at Rinconada WTP	309	0	51	2	0	0	0	0	0	311
TOTAL	**1,236**	**0**	**102**	**3**	**0**	**0**	**0**	**0**	**0**	**1,239**

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,239
Other Funding Source	0
Total	**1,239**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $18,000 per year.

USEFUL LIFE: 10 Years

INFORMATION TECHNOLOGY CAPITAL IMPROVEMENTS

INFORMATION TECHNOLOGY OVERVIEW

The District manages a sophisticated information technology system to ensure the District's intellectual property, information, and files are protected from loss or significant damage. The District administers an asset management program for its existing information technology system. The program includes a schedule for maintenance and rehabilitation to ensure that each system functions as intended over its useful life.

Overview

In 2001, the District completed the Information System Master Plan (ISMP). Significant progress has been made toward meeting the goals and objectives of the ISMP since that time. In particular, the implementation of an Enterprise Resource System.

Major capital improvements included in the CIP continue the implementation of the ISMP and include:

- Water Resources Information System
- Enterprise Resource System
- Information System Infrastructure Upgrade
- Computerized Maintenance Management System
- People Soft Version 8.9 Upgrade

Priority Process and Financial Analysis

A rigorous priority setting process was conducted to rate the information technology projects against other type of capital improvements. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for information technology capital improvements was conducted to determine if there are limitations to funding all the planned capital projects.

- Five Watershed Funds
- General Fund
- Water Enterprise Fund

Results of this year's prioritization process and financial analysis are summarized in Appendix B. The process concluded that funding needs for the planned information technology projects are larger than the funding capacity of all seven funding sources. Consequently, the Electronic Document Management System (a project recommended in the ISMP) is not funded.

INFORMATION TECHNOLOGY CAPITAL IMPROVEMENTS

The following table is a project funding schedule for information technology capital improvements, resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the page number identified. The chart also identifies partially funded projects and estimated unspent appropriations from FY 2005-06.

Information Technology - Funded Projects

Pg #	Project Name	Thru FY05	FY06	FY06 Unpsent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total District
VII-3	ISMP Computerized Maintenance Management System	953	0	842	0	128	0	0	0	0	1,081
VII-5	ISMP Enterprise Resource Planning System	7,902	105	493	0	377	0	0	0	0	8,384
VII-7	ISMP Infrastructure Upgrade	236	5	84	0	4	0	0	0	0	245
VII-9	ISMP Water Resource Information System	1,620	345	1,461	0	644	0	0	0	0	2,609
VII-11	Peoplesoft System Upgrade	0	0	0	900	451	0	0	0	0	1,351
	TOTAL	**10,711**	**455**	**2,880**	**900**	**1,604**	**0**	**0**	**0**	**0**	**13,670**

FY 2005-06 Funds to be reappropriated

The following table shows funding requirements from each funding source for information technology capital improvements.

Information Technology – Funding Sources

Funding Sources	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
Lower Peninsula Watershed Fund	742	8	136	0	45	0	0	0	0	795
West Valley Watershed Fund	742	8	136	0	45	0	0	0	0	795
Guadalupe Watershed Fund	663	7	131	0	41	0	0	0	0	711
Coyote Watershed Fund	742	8	136	0	45	0	0	0	0	795
Uvas/Llagas Watershed Fund	275	3	48	0	16	0	0	0	0	295
General Fund	2,844	40	247	900	579	0	0	0	0	4,363
Water Enterprise Fund	4,704	380	2,045	0	832	0	0	0	0	5,916
TOTAL	**10,711**	**455**	**2,880**	**900**	**1,604**	**0**	**0**	**0**	**0**	**13,670**

FY 2005-06 Funds to be reappropriated

Project	ISMP Computerized Maintenance Management System
Program	Information Technology
Priority No.	34
Project No.	60274054
District Contact	Seth Johnson sjohnson@vallywater.org

No Picture Available

PROJECT DESCRIPTION

This project integrates the Computerized Maintenance Management System (CMMS) with the District's Enterprise Resource Planning (ERP) system as defined in the Information Systems Master Plan (ISMP) to accomplish the following objectives:

- Reduce redundant data and eliminate manual data inputs to increase efficiencies.
- Enforce financial accountability of District's maintenance functions.

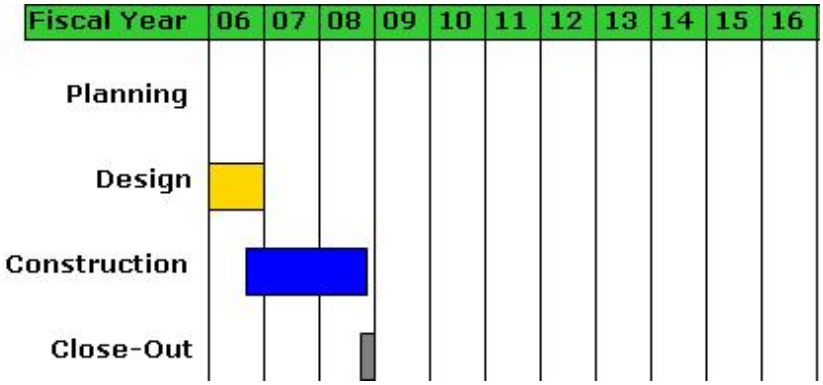
PROJECT LOCATION

No map is provided for this project.

PROJECT SCHEDULE

February 2005 to June 2008

Planning phase is complete. Implementation is shown in the construction phase.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
ISMP Computerized Maintenance Management System	111	0	746	190	0	0	0	0	1,047
with inflation	111	0	768	202	0	0	0	0	1,081

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
ISMP Computerized Maintenance Management System	953	0	842	0	128	0	0	0	0	1,081

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund—11.5%	124
SCVWD West Valley Fund—11.5%	124
SCVWD Guadalupe Fund—11.5%	124
SCVWD Coyote Fund—11.5%	124
SCVWD Uvas/Llagas Fund—4%	43
SCVWD Water Utility Enterprise Fund—50%	540
Total	1,081

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available

Project	ISMP Enterprise Resource Planning System
Program	Information Technology
Priority No.	51
Project No.	60274056
District Contact	Seth Johnson sjohnson@vallywater.org

No Picture Available

PROJECT DESCRIPTION

This project replaces the District's financial management, human resources, and payroll systems with an Enterprise Resource Planning (ERP) System, as defined in the Information Systems Master Plan (ISMP) to accomplish the following objectives:

- Adopt improved business practice.
- Increase efficiencies.
- Position the District to support future business performance monitoring and real-time customer response requirements.

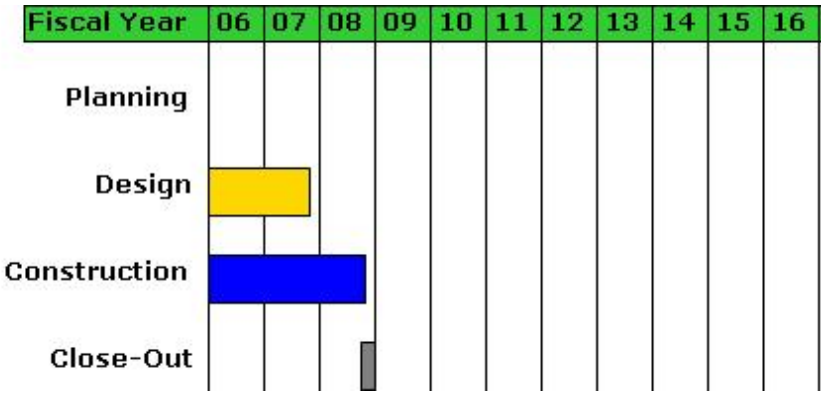
PROJECT LOCATION

No map is provided for this project.

PROJECT SCHEDULE

November 2001 to June 2008

Planning phase is complete. Implementation is shown in the construction phase.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
ISMP Enterprise Resource Planning System	7,314	200	200	626	0	0	0	0	8,340
with inflation	7,314	200	206	664	0	0	0	0	8,384

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
ISMP Enterprise Resource Planning System	7,902	105	493	0	377	0	0	0	0	8,384

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund—8%	671
SCVWD West Valley Fund—8%	671
SCVWD Guadalupe Fund—7%	587
SCVWD Coyote Fund—8%	671
SCVWD Uvas/Llagas Fund—3%	252
SCVWD Water Utility Enterprise Fund—33%	2,767
SCVWD General Fund—33%	2,767
Total	8,384

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $56,000 per year.

USEFUL LIFE: Not Available

Project	ISMP Infrastructure Upgrade
Program	Information Technology
Priority No.	41
Project No.	60274051
District Contact	Seth Johnson sjohnson@vallywater.org

No Picture Available

PROJECT DESCRIPTION

This project supports the hardware and network needs of the Information Systems Master Plan (ISMP) projects, to accomplish the following objectives:

- Enhance and increase network capacity to accommodate new systems.
- Increase reliability, availability, and performance of the storage subsystems.
- Reduce backup and data recovery time.
- Insure that system outages due to disaster can be recovered with minimum down time and adverse effects on District business.
- Build new system infrastructure based on up-to-date technology platforms that can be adequately supported by vendors.

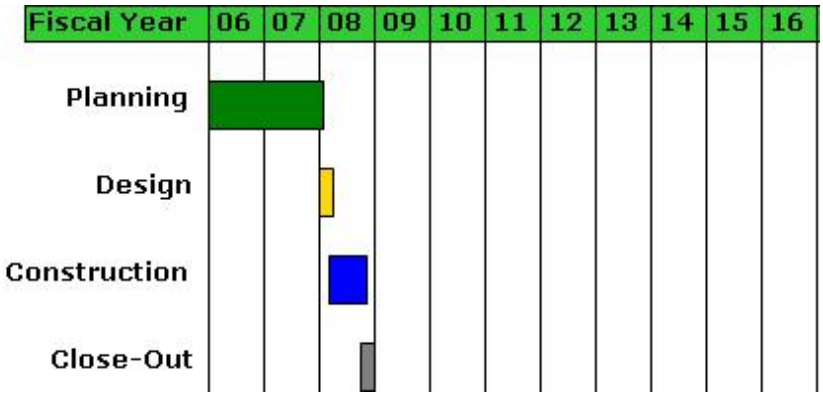
PROJECT LOCATION

No map is provided for this project.

PROJECT SCHEDULE

March 2001 to June 2008

Implementation is shown in the construction phase.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
ISMP Infrastructure Upgrade	114	43	70	15	0	0	0	0	242
with inflation	114	43	72	16	0	0	0	0	245

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
ISMP Infrastructure Upgrade	236	5	84	0	4	0	0	0	0	245

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	245
Other Funding Source	0
Total	**245**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $3,000 per year.

USEFUL LIFE: Not Available

Project	ISMP Water Resource Information System
Program	Information Technology
Priority No.	53
Project No.	60274057
District Contact	Seth Johnson sjohnson@vallywater.org

No Picture Available

PROJECT DESCRIPTION

This project develops and implements a new Water Resource Information System (WRIS), as defined in the Information Systems Master Plan (ISMP), to accomplish the following objectives:

- Develop a new WRIS that uses current technology and can be adequately supported by the vendor and the District's Information Management Division.
- Provide user interface that is easy to use and streamlines daily tasks.

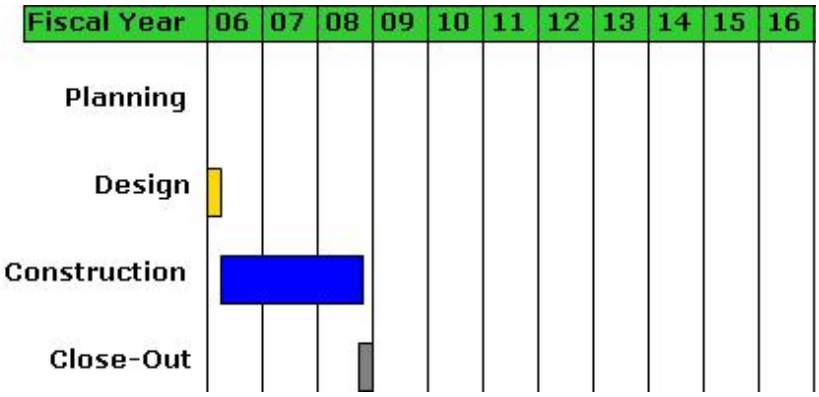
PROJECT LOCATION

No map is provided for this project.

PROJECT SCHEDULE

August 2004 to June 2008

Planning phase is complete. Implementation is shown in the construction phase.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
ISMP Water Resource Information System	124	380	1,050	965	0	0	0	0	2,519
with inflation	124	380	1,082	1,024	0	0	0	0	2,609

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Fund	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
ISMP Water Resource Information System	1,620	345	1,461	0	644	0	0	0	0	2,609

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,609
Other Funding Source	0
Total	2,609

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $5,000 per year.

USEFUL LIFE: Not Available

Project	PeopleSoft System Upgrade
Program	Information Technology
Priority No.	30
Project No.	60274061
District Contact	Seth Johnson sjohnson@valleywater.org

No Picture Available

PROJECT DESCRIPTION

This project plans and implements the financial and human resources 8.9 upgrade of PeopleSoft software to accomplish the following objectives:

- Provide enhanced processing, lower systems maintenance, and enhanced human resources features.
- Provide continuing support for critical areas such as tax support for payroll processing after 2007 when existing versions will no longer be supported.
- Provide the necessary launch pad for potential conversion to the PeopleSoft Fusion product.
- Upgrade all existing PeopleSoft modules to a version of software that will be supported by PeopleSoft until 2012.

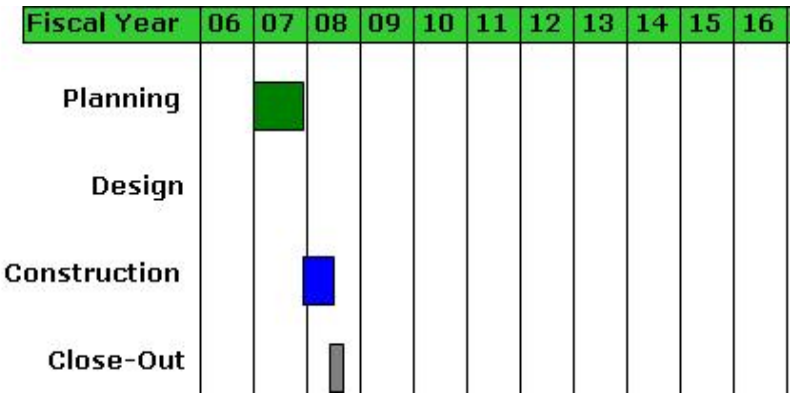
PROJECT LOCATION

No map is provided for this project.

PROJECT SCHEDULE

July 2006 to February 2008

Design Phase is not applicable to this project. Project Implementation is shown as the Construction Phase.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY05	FY06	FY07	FY08	FY09	FY10	FY11	Future	
PeopleSoft System Upgrade	0	0	874	425	0	0	0	0	1,299
with inflation	0	0	900	451	0	0	0	0	1,351

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY05	FY06	FY06	FY07	FY08	FY09	FY10	FY11	Future	
PeopleSoft System Upgrade	0	0	0	900	451	0	0	0	0	1,351

Adjusted Budget includes adopted budget plus approved budget adjustments through April 2006.

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	1,351
Other Funding Source	0
Total	1,351

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operations costs.

USEFUL LIFE: Not Available

FINANCIAL PLANNING AND SUMMARY

CIP FINANCIAL PLANNING

Board Policy regarding Financial Planning/Budgeting provides the foundation for CIP financial planning. The policy states:

Executive Limitation EL-4, "Financial planning for any fiscal year or the remaining part of any budget period shall not deviate materially from the Board's Ends priorities, risk fiscal jeopardy, or fail to be derived from a multiyear plan."

> Executive Limitation EL-4.1., "The CEO shall not fail to include credible projection of revenues and expenses, separation of capital and operational items, cash flow and disclosure of planning assumptions."
>
> Executive Limitation EL-4.2, "The CEO shall not plan the expenditure in any budget period of more funds than are conservatively projected to be received or appropriated from reserves in that period."

KEY REVENUES SOURCES

Water Charges

- Water charges include a ground water charge, which is equivalent to the basic user charge, and is associated with the benefit of managing groundwater supplies. The groundwater charge is applied to water extracted from the groundwater basin in Zones W-2 and W-5. The basic user charge is applied to other types of water delivered by the District. There are two rates: one for agricultural water and one for municipal and industrial water.

- A treated water surcharge, which is associated with the benefit of receiving treated water, is levied in addition to the basic user charge on water delivered from the District's water treatment plants.

Property Tax

Santa Clara County allocates property tax revenue to the District from ad valorem taxes levied on land within the county.

Special Parcel Tax

The special parcel tax was approved by the voters in Santa Clara County in November 2000. This revenue source is restricted to financing the costs of the District's Clean, Safe Creeks and Natural Flood Protection Program.

Benefit Assessments

Benefit assessment revenue consists of levies approved by voters in 1986 and 1990 to support financing for flood control capital improvements. The Fiscal Year 2006-07 budget amount is approximately 1.25 times the duly authorized annual debt service requirements for each Watershed.

Capital Reimbursements

Capital reimbursement revenues are from local, state and federal partners for capital projects carried on cooperatively by the District and its partners. The District fronts the partners' shares of capital expenditures and receives reimbursements from the partners at a later time.

Interest

Interest is earned from the District's investment portfolio.

District Fund Structure

The District's revenue sources are organized into eleven funds. Each fund has specific revenue sources according to their intended purposes, and each fund is an independent accounting entity with a self-balancing set of accounts comprised of its assets, liabilities, fund equity, revenue, and expenditures or expenses, as appropriate.

Types	Fund	Primary Revenue Source
Proprietary	Equiptment And Risk Insurance	• Reimbursements charging back to all other District Funds
	Water Enterprise	• Water Charges • Property Tax
Governmental	Lower Peninsula Watershed	• Property Tax • Benefit Assessments levied within Lower Peninsula Watershed
	West Valley Watershed	• Property Tax • Benefit Assessments levied within West Valley Watershed
	Guadalupe Watershed	• Property Tax • Benefit Assessments levied within Guadalupe Watershed
	Coyote Watershed	• Property Tax • Benefit Assessments levied within CoyoteWatershed
	Uvas/Llagas Watershed	• Property Tax • Benefit Assessments levied within Uvas/ Llagas Watershed
	Clean, Safe Creeks and Natural Flood Protection	• Special Parcel Tax
	Watershed and Stream Stewardship	• PropertyTax
	General	• Property Tax • Reimbursements charging back all other District Funds

FINANCIAL PLANNING AND SUMMARY

Revenue Projections

The District regularly updates the projected revenues based on the best information available.

- Revenues from water charges are estimated based on projections of water demand for residential, commercial and industrial, and agricultural consumption combined with rates per acre-foot. Rates are set at a level that will provide revenue needed to meet operating and capital needs.

- Revenues from property taxes, special parcel taxes, and benefit assessments are estimated based on projection of growth in assessed value and number of developed parcels in Santa Clara County.

- Interest earnings are estimated based on the projected average cash balances during the fiscal year and expected yield from the District's investment portfolio.

- Revenue from capital reimbursements partnerships are estimated based on the terms of agreements executed by the District and its partners.

Expenditure Projections

The District regularly updates the operation and capital expenditures based on the best information available.

Each capital project cost estimate includes the yearly expenditures through completion based on the project's scope and schedule. The expenditures are monitored regularly and updated when necessary, e.g. expenditures are updated when a project's scope changes. A management review process is enforced to ensure only justified expenditure changes are approved.

Operation cost projections for the next 10 years are updated annually and are based on assumptions derived from the District's strategic plans, including the impact of completed capital projects. Capital and operations expenditure projections are the foundation for the development of the District's budget.

Financial Analysis

The District regularly performs financial analysis to comply with the Board's Financial Planning/Budgeting Policy. The District uses sophisticated financial models to perform the analysis for each fund. The projected operation expenditures, capital expenditures, and revenues for the next ten years are incorporated into the financial models to analyze the health of each fund under various economic scenarios. This process assures that funds will be available when needed to implement the CIP.

The financial analysis generates alternatives for funding capital projects based on the available yearly revenues, from all sources, allocated to the capital program, and the debt financing capacity of each fund. The financial analysis establishes the parameters within which the capital project schedule is developed.

Debt Projections and Debt Ratios

Debt is managed at the District depending on the type of District business involved. Under the watershed business, the District has no current plans to issue additional debt which would require taxpayer approval. Debt service on outstanding debt is funded by benefit assessments levied on property owners in the county.

The water utility business on the other hand uses a combination of short-term and long-term debt financing in conjunction with pay-as-you-go financing to lessen impacts to the water rate, caused by fluctuations in capital funding needs. In the 1984 general election, Measure B was passed by the voters, which gave the District's water utility the authority to issue bonds on an "as required" basis. Debt service on outstanding debt is paid from water revenues. Bond covenants stipulate that the District must maintain a 1.25 debt coverage ratio on all parity bonds. The long-term financial analysis targets a debt coverage ratio of 2.0, which helps establish the parameters for capital planning that ensure bond covenants will be met.

The District currently enjoys credit ratings that are among the highest for a water-related governmental entity in the state of California, which helps keep interest costs borne by the District at a minimum.

Relationship between the Operating Budget and CIP

Whenever the District commits to capital improvements, there is a potential for associated long-range commitment of operating funds. For example, if 20-year bonds are issued to finance capital needs, then the operating funds will need to budget debt service payments for the next two decades. For this reason, it is important to evaluate capital commitments in the context of their long-range operating impact.

In addition to the long-range debt service payments, some capital projects affect future operating budgets either positively or negatively due to an increase or decrease in maintenance and operation costs. Such impacts vary widely from project to project and, are evaluated individually during the project development stage. The District is committing to a potential change in the operating budget when a capital project is approved.

The projected debt service payments and the positive or negative operating budget impacts are important factors considered in the District's financial analysis.

This chart identifies the operating budget impacts to each fund from projected debt service payments.

Debt Payment Schedule ($K)

Fund	FY 07	FY 08	FY 09	FY 10	FY 11
Water Enterprise Fund	5,491	12,279	12,273	12,094	15,322
Lower Peninsula Watershed Fund	3,846	3,843	3,844	3,842	3,824
West Valley Watershed Fund	2,380	2,406	2,409	2,406	2,386
Guadalupe Watershed Fund	5,004	5,064	5,069	5,077	5,071
Coyote Watershed Fund	3,940	3,838	3,841	3,839	3,816
Uvas/Llagas Watershed Fund	615	614	615	614	607
TOTAL	**21,276**	**28,044**	**28,051**	**27.872**	**31,026**

This chart identifies the net operating budget impacts to each fund resulting from annual maintenance and/or operating cost for newly completed capital projects.

Estimated Operating Impacts ($K)

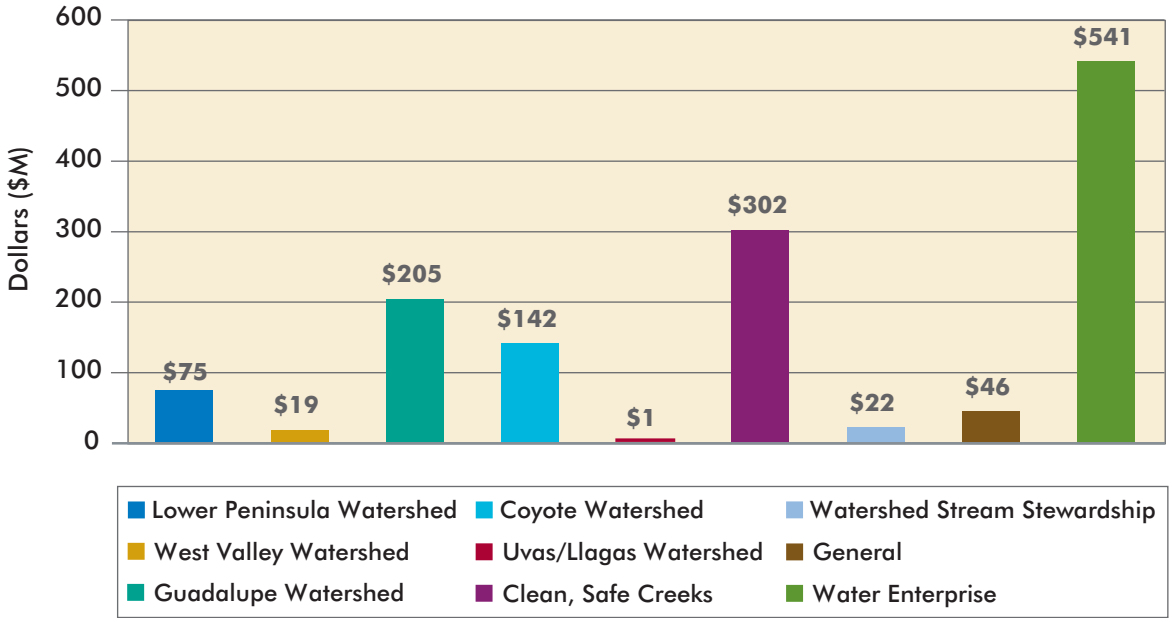
Fund	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12-16
Water Enterprise Fund	8	2,080	2,709	2,819	2,931	4,243
Lower Peninsula Watershed Fund	0	0	35	35	35	40
West Valley Watershed Fund	0	0	20	45	45	64
Guadalupe Watershed Fund	0	0	4	4	809	832
Coyote Watershed Fund	0	0	4	104	104	138
Uvas/Llagas Watershed Fund	0	0	2	2	2	12
Clean, Safe Creeks & Natural Flood Protection Fund	0	0	0	0	0	580
Watershed Stream Stewardship Fund	0	0	0	50	50	71
General Fund	0	0	21	21	21	21
TOTAL	**8**	**2,080**	**2,795**	**3,080**	**3,897**	**6,001**

FINANCIAL PLANNING AND SUMMARY

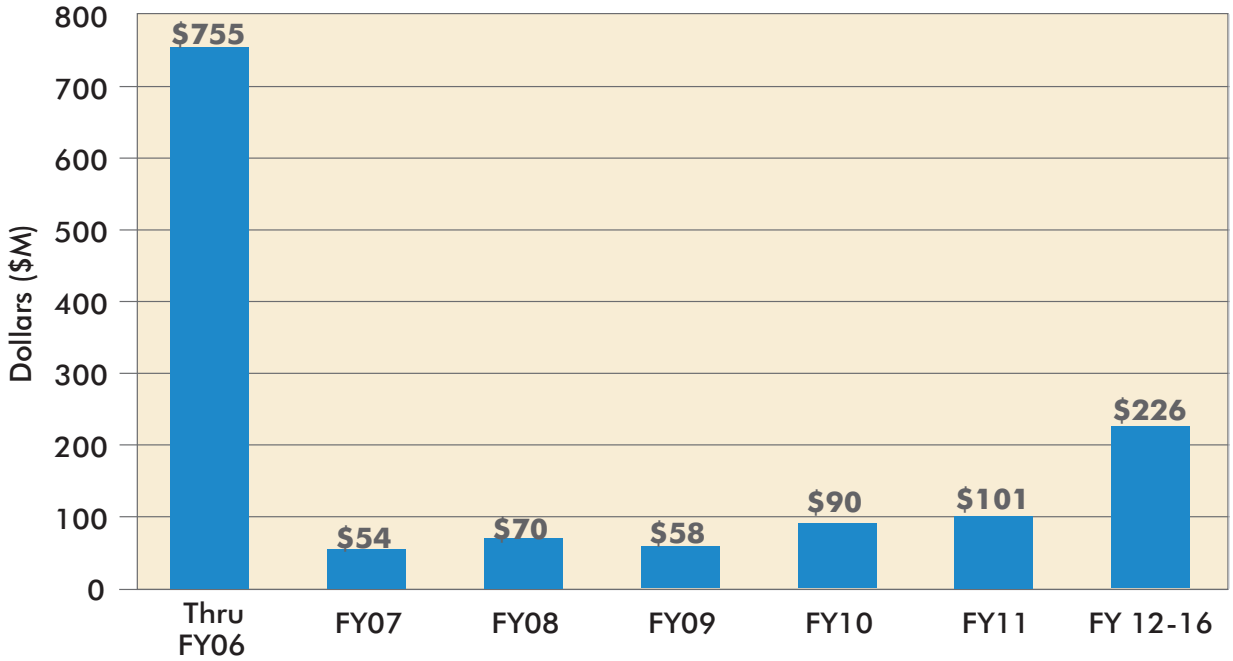
CIP FINANCIAL SUMMARY

Of the $1.354 billion in total funding for current and future projects, the Board appropriated $755 million in prior years through June 30, 2006 (the end of Fiscal Year 2005-06). This year's CIP process identified additional funding needs of $599 million to complete the projects in the CIP, with $54 million allocated in Fiscal Year 2006-07 and a total of $545 million proposed for future years.

The needed $1.354 billion to implement the 91 projects as defined in the CIP are funded by nine of the District's eleven Funds.



The following chart shows the funding schedule for the $1.354 billion to implement the 91 projects:



CIP Project Funding Schedule for Water Enterprise Fund ($K)

Project Name	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
Alamitos Diversion Dam Improvements	0	0	0	357	1,188	1,112	0	0	0	2,657
Almaden Campus Water Quality Laboratory	19,084	1,914	14,854	1,882	2,088	0	0	0	0	24,968
Almaden Campus, Administration Building Seismic Retrofit - 63%	0	0	0	0	2,473	207	0	0	0	2,679
Almaden Dam Outlet Works Improvements	4,417	(1,051)	1,130	0	0	0	0	1,138	11,685	16,190
Calero/Fellows Dike Improvement	1,851	211	0	531	576	4,786	985	0	0	8,940
Central Pipeline Rehabilitation	1,099	2,964	1,873	0	0	0	0	0	0	4,063
Coyote Diversion Dam Improvements	0	0	0	309	1,291	870	0	0	0	2,470
Dam Instrumentation	364	2,631	0	1,611	1,933	0	0	0	0	6,539
FAHCE Stevens Creek Dam Portable Multi-Port Outlet - 90%	0	0	0	0	0	0	0	136	1,091	1,227
FAHCE Stevens Creek Fish Ladder at Evelyn Ave - 90%	0	0	0	0	0	0	0	1,014	2,128	3,142
FAHCE Stevens Creek Fish Ladder at Fremont Ave - 90%	0	0	0	0	0	0	0	691	4,877	5,568
FAHCE Stevens Creek Fish Ladder at Moffett Ave - 90%	0	0	0	0	0	0	0	793	2,386	3,179
ISMP Computerized Maintenance Management - 50%	477	0	421	0	64	0	0	0	0	540
ISMP Enterprise Resource Planning System - 33%	2,608	35	163	0	124	0	0	0	0	2,767
ISMP Water Resource Information System	1,620	345	1,461	0	644	0	0	0	0	2,609
Kirk Diversion Dam Improvements	0	0	0	313	866	674	0	0	0	1,853
Lenihan Dam Outlet Modifications	7,358	1,212	0	19,776	2,237	549	0	0	0	31,132
NRDA Enhancement, Jacques Gulch Restoration	1,115	368	0	580	368	3,156	191	104	72	5,954
Pacheco Fiber Optic Cable Replacement	0	0	0	0	441	763	0	0	0	1,204
Pacheco Pumping Plant ASD Replacement	1,646	1,373	2,373	0	114	2,036	3,100	2,349	1,563	12,180
Pacheco Pumping Plant Regulating Tank Recoating	0	0	0	0	101	0	0	0	0	101
Page Desilting System Improvements	0	0	0	0	0	437	653	0	0	1,090
PWTP Backup Generator Replacement	2,336	0	1,888	0	61	0	0	0	0	2,397
PWTP Backwash Pump Replacement	803	0	751	0	0	246	34	0	0	1,082
PWTP Chemical System Upgrade	505	0	282	0	132	1,563	156	0	0	2,356
PWTP Improvement, Stage 2	66,557	2,147	0	577	0	0	0	0	0	69,281
PWTP Maintenance Building	1,346	0	30	632	2,445	131	0	0	0	4,554
PWTP Washwater Clarification Facility	0	0	0	0	446	459	4,682	0	0	5,587

CIP Project Funding Schedule for Water Enterprise Fund ($K) (cont'd)

Project Name	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
Raw Water Control System	8,046	1,235	724	3	0	0	0	0	0	9,284
Recycled Water Advanced Treatment Facility	957	2,138	2,902	0	113	0	0	0	0	3,208
Recycled Water South County Masterplan Implementation	0	3,224	0	0	0	0	0	0	0	3,224
Recycled Water South County System Improvements	8,953	0	160	0	0	0	0	0	0	8,953
RWTP Backup Generator Modifications	1,469	0	1,304	0	93	0	0	0	0	1,562
RWTP Chemical System Upgrade	588	125	200	0	0	440	2,805	0	0	3,958
RWTP Control System Trunk Cable Upgrade	184	106	227	0	11	0	0	0	0	301
RWTP Improvement, Stage 2	14,182	0	1,658	0	2,572	2,491	27,453	49,100	43,194	138,993
San Francisco Water Department Intertie	3,333	0	0	320	0	0	0	0	0	3,653
San Luis Reservoir Low Point Improvement	15,142	0	4,408	0	326	1,223	0	0	0	16,691
San Tomas Well Field	11,309	135	3,208	0	0	0	0	0	0	11,444
Santa Clara Tunnel Landslide Mitigation (ESA)	0	805	0	55	0	0	0	0	0	860
Santa Clara Tunnel Landslide Repair	5,196	(754)	0	28	0	0	0	0	0	4,470
Santa Clara Valley Recharge Ponds	0	0	0	0	637	656	6,168	9,802	3,731	20,993
Stevens Creek Diversion	0	0	0	0	0	0	0	151	0	151
STWTP Improvement, Stage 2	60,336	0	741	0	0	0	0	0	0	60,336
STWTP Incompatible Materials	2,280	0	1,175	0	0	0	0	0	0	2,280
Telephones at Treatment Plants and Vasona	1,236	0	102	4	0	0	0	0	0	1,240
Water Efficient Demonstration Gardens	0	0	0	259	1,581	58	0	0	0	1,898
Water Infrastructure Reliability Program	2,163	2,033	1,983	0	0	0	0	0	0	4,196
Water Treatment Plants SCADA Security	0	0	0	412	0	0	0	0	0	412
Water Treatment Plants SCADA Upgrades	2,334	528	1,547	0	54	0	0	0	0	2,916
Water Treatment Plants Security Improvement	590	0	572	17	2,122	2,185	1,111	0	0	6,025
WTIP Mitigation, Landscape and Site Improvements at PWTP	1,025	1,591	1,354	1,729	0	0	0	0	0	4,345
WTIP Mitigation, Landscape and Site Improvements at RWTP	13	0	7	0	0	0	0	109	762	884
WTIP Mitigation, Landscape and Site Improvements at STWTP	989	1,571	1,665	0	0	0	0	0	0	2,560
TOTAL	**253,510**	**24,886**	**49,163**	**29,395**	**25,101**	**24,040**	**47,338**	**65,386**	**71,490**	**541,146**

CIP Project Funding Schedule for Lower Peninsula Watershed Fund ($K)

Project Name	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-12)	21,146	147	1,983	247	2,360	186	79	110	84	24,357
Almaden Campus, Administration Building Seismic Retrofit - 7%	0	0	0	0	275	23	0	0	0	298
ISMP Computerized Maintenance Management - 12%	110	0	97	0	15	0	0	0	0	124
ISMP Enterprise Resource Planning System - 8%	632	8	39	0	30	0	0	0	0	671
Matadero/Barron Creek Remediation, Palo Alto Flood Basin to Alma Street	24,323	0	2,277	0	0	0	0	0	0	24,323
Permanente Creek, San Francisco Bay to Foothill Expressway	10,284	662	282	995	257	0	0	0	0	12,198
San Francisco Bay Shoreline - Planning - 25%	799	438	0	673	644	545	156	0	0	3,255
San Francisquito Creek, San Francisco Bay through Searsville Dam	4,000	0	1,795	0	0	0	4,656	0	0	8,656
SMP Mitigation, Coyote Parkway Freshwater Wetland - 5%	214	79	2	31	11	5	6	4	5	355
SMP Mitigation, Coyote Quarry Pond Freshwater Wetland - 5%	0	0	0	0	20	21	37	143	30	251
SMP Mitigation, Stream and Watershed Land Preservation - 5%	373	0	181	57	99	94	96	99	102	920
TOTAL	**61,881**	**1,335**	**6,657**	**2,002**	**3,710**	**874**	**5,030**	**356**	**220**	**75,409**

CIP Project Funding Schedule for West Valley Watershed Fund ($K)

Project Name	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
Almaden Campus, Administration Building Seismic Retrofit - 6%	0	0	0	0	236	20	0	0	0	255
Calabazas Creek, Bollinger Bridge	2,201	935	2,064	0	483	0	0	0	0	3,619
Calabazas Creek, Capacity Improvement	2,000	0	721	2,446	642	0	0	0	0	5,088
ISMP Computerized Maintenance Management - 12%	110	0	97	0	15	0	0	0	0	124
ISMP Enterprise Resource Planning System - 8%	632	8	39	0	30	0	0	0	0	671
San Francisco Bay Shoreline - Planning - 25%	299	438	0	673	644	545	156	0	0	2,755
San Tomas Creek, Quito Road Bridges Replacement	696	0	279	0	0	0	0	0	0	696
SMP Mitigation, Coyote Parkway Freshwater Wetland - 19%	814	301	8	118	41	21	21	14	18	1,348
SMP Mitigation, Coyote Quarry Pond Freshwater Wetland - 19%	0	0	0	0	77	79	140	544	113	954
SMP Mitigation, Stream and Watershed Land Preservation - 19%	1,418	0	689	216	375	356	366	377	389	3,497
TOTAL	**8,170**	**1,683**	**3,897**	**3,452**	**2,542**	**1,020**	**683**	**936**	**520**	**19,007**

CIP Project Funding Schedule for Guadalupe Watershed Fund ($K)

Project Name	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
Almaden Campus, Administration Building Seismic Retrofit - 9%	0	0	0	0	353	30	0	0	0	383
Alviso Slough Restoration	934	730	129	446	194	317	0	0	0	2,621
Gold Street Educational Center	0	97	0	0	0	0	0	0	0	97
Guadalupe River–Lower, Alviso Marina to Interstate 880	80,064	3,429	9	754	482	104	79	0	0	84,912
Gudadlupe River–Downtown, Interstate 880 to Interstate 280	98,888	5,461	2,214	86	1,075	109	678	0	0	106,297
ISMP Computerized Maintenance Management - 12%	110	0	97	0	15	0	0	0	0	124
ISMP Enterprise Resource Planning System - 7%	553	7	35	0	26	0	0	0	0	587
San Francisco Bay Shoreline - Planning - 25%	299	438	0	673	644	545	156	0	0	2,755
SMP Mitigation, Coyote Parkway Freshwater Wetland - 23%	985	364	10	142	50	25	26	17	22	1,632
SMP Mitigation, Coyote Quarry Pond Freshwater Wetland - 23%	0	0	0	0	93	96	169	659	137	1,154
SMP Mitigation, Stream and Watershed Land Preservation - 23%	1,716	0	834	262	454	431	443	457	470	4,233
TOTAL	**183,549**	**10,527**	**3,327**	**2,362**	**3,386**	**1,656**	**1,551**	**1,133**	**630**	**204,795**

CIP Project Funding Schedule for Coyote Watershed Fund ($K)

Project Name	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
Almaden Campus, Administration Building Seismic Retrofit - 5%	0	0	0	0	196	16	0	0	0	213
Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard	12,720	0	7,596	0	0	0	4,941	4,137	12,700	34,499
ISMP Computerized Maintenance Management - 12%	110	0	97	0	15	0	0	0	0	124
ISMP Enterprise Resource Planning System - 8%	632	8	39	0	30	0	0	0	0	671
Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)	78,053	0	1,342	0	120	0	0	0	0	78,173
San Francisco Bay Shoreline - Planning - 25%	299	438	0	673	644	545	156	0	0	2,755
SMP Mitigation, Coyote Parkway Freshwater Wetland - 34%	1,456	539	15	210	73	37	38	26	32	2,412
SMP Mitigation, Coyote Quarry Pond Freshwater Wetland - 34%	0	0	0	0	137	142	250	974	203	1,707
SMP Mitigation, Stream and Watershed Land Preservation - 34%	2,537	0	1,232	387	672	636	656	675	695	6,258
Upper Penitencia Creek, Coyote Creek to Dorel Drive	14,210	0	4,447	543	220	0	0	0	0	14,973
TOTAL	**110,017**	**985**	**14,768**	**1,813**	**2,108**	**1,377**	**6,041**	**5,813**	**13,631**	**141,785**

CIP Project Funding Schedule for Uvas/Llagas Watershed Fund ($K)

Project Name	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
Almaden Campus, Administration Building Seismic Retrofit - 2%	0	0	0	0	79	7	0	0	0	85
ISMP Computerized Maintenance Management - 4%	38	0	34	0	5	0	0	0	0	43
ISMP Enterprise Resource Planning System - 3%	237	3	15	0	11	0	0	0	0	252
SMP Mitigation, Pajaro Basin Freshwater Wetland - 20%	335	56	70	265	115	23	24	24	35	877
TOTAL	**610**	**59**	**118**	**265**	**210**	**30**	**24**	**24**	**35**	**1,257**

CIP Project Funding Schedule for Clean Safe Creeks and Natural Flood Protection Fund ($K)

Project Name	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	4,531	927	1,882	516	3,553	9,315	1,013	0	451	20,307
Calabazas Creek, Miller Avenue to Wardell Road	1,426	3,259	141	1,471	1,500	1,296	8,480	7,187	15,128	39,747
Coyote Creek, Montague Expressway to Interstate 280	6,903	0	2,909	0	2,216	1,052	1,023	1,307	25,793	38,293
EEP Soap Lake Floodplain Property Acquisition	0	0	0	2	263	0	0	0	0	265
EEP Stevens Creek Corridor Restoration, Blackberry Farms	0	0	0	300	327	0	225	0	0	852
EEP Upper Pajaro Watershed Vegetative Buffer Strips	161	280	155	36	164	0	0	0	0	641
Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	34,955	2,471	12,751	7,967	16,525	10,501	1,173	4,397	27,191	105,180
Llagas Creek–Upper, Buena Vista Road to Wright Avenue	11,432	96	3,932	15	994	546	338	290	0	13,710
Permanente Creek, San Francisco Bay to Foothill Expressway	0	0	0	0	1,591	1,639	7,327	3,773	20,640	34,970
San Francisquito Creek, San Francisco Bay through Searsville Dam	0	0	0	0	0	0	900	2,666	6,000	9,567
Sunnyvale East Channel, Guadalupe Slough to Interstate 280	0	0	0	0	0	0	1,554	1,601	29,659	32,814
Sunnyvale West Channel, Guadalupe Slough to Highway 101	0	344	0	1,054	701	739	1,558	1,606	0	6,002
TOTAL	**59,408**	**7,377**	**21,770**	**11,361**	**27,833**	**25,089**	**23,591**	**22,827**	**124,861**	**302,347**

CIP Project Funding Schedule for Watershed and Stream Stewardship Fund ($K)

Project Name	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
Almaden Campus, Administration Building Seismic Retrofit - 8%	0	0	0	0	314	26	0	0	0	340
Babb/Piedmont/Los Coches Creeks, Channel Rehabilitation	0	0	0	0	0	989	2,863	720	0	4,572
FAHCE Stevens Creek Dam Portable Multi-Port Outlet - 10%	0	0	0	0	0	0	0	15	121	136
FAHCE Stevens Creek Fish Ladder at Evelyn Ave - 10%	0	0	0	0	0	0	0	113	236	349
FAHCE Stevens Creek Fish Ladder at Fremont Ave - 10%	0	0	0	0	0	0	0	77	542	619
FAHCE Stevens Creek Fish Ladder at Moffett Ave - 10%	0	0	0	0	0	0	0	88	265	353
SMP Mitigation, Carnadero Preserve	3,312	220	227	0	379	66	0	0	0	3,977
SMP Mitigation, Coyote Parkway Freshwater Wetland - 20%	814	301	8	118	41	21	21	14	18	1,348
SMP Mitigation, Coyote Quarry Pond Freshwater Wetland - 20%	0	0	0	0	77	79	140	544	113	954
SMP Mitigation, Pajaro Basin Freshwater Wetland - 80%	1,338	225	279	1,062	458	92	95	97	141	3,508
SMP Mitigation, Stream and Watershed Land Preservation - 20%	1,418	0	689	216	375	356	366	377	389	3,497
Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	2,255	0	2,115	0	0	51	140	0	0	2,446
TOTAL	**9,137**	**746**	**3,318**	**1,395**	**1,644**	**1,679**	**3,625**	**2,046**	**1,826**	**22,098**

CIP Project Funding Schedule for General Fund ($K)

Project Name	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
Almaden and Winfield Campus Program Plan	7,568	(324)	5,849	0	0	0	0	0	0	7,244
Almaden and Winfield Campus, Small Capital Improvements	7,705	1,819	0	2,060	2,122	2,185	2,251	2,319	12,679	33,140
Almaden Campus, Administration Building Seismic Retrofit - GF	0	444	321	9	0	0	0	0	0	453
Almaden Campus, Data Center Upgrade	0	590	506	0	0	0	0	0	0	590
ISMP Infrastructure Upgrade	236	5	84	0	4	0	0	0	0	245
ISMP Enterprise Resource Planning System - 33%	2,608	35	163	0	124	0	0	0	0	2,767
PeopleSoft System Upgrade	0	0	0	900	451	0	0	0	0	1,351
TOTAL	**18,117**	**2,569**	**6,923**	**2,969**	**2,701**	**2,185**	**2,251**	**2,319**	**12,679**	**45,790**

CIP Funding Schedule Summary for All Funds ($K)

Project Name	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
Water Enterprise	253,510	24,886	49,163	29,395	25,101	24,040	47,338	65,386	71,490	541,146
Lower Peninsula Watershed	61,881	1,335	6,657	1,840	3,872	874	5,030	356	220	75,408
West Valley Watershed	8,170	1,683	3,897	3,290	2,705	1,020	683	936	520	19,007
Guadalupe Watershed	183,549	10,527	3,327	2,200	3,548	1,656	1,551	1,133	630	204,795
Coyote Watershed	110,017	985	14,768	1,650	2,270	1,377	6,041	5,813	13,631	141,785
Uvas/Llagas Watershed	1,614	228	328	1,062	553	98	95	97	35	3,782
Clean, Safe Creeks and Natural Flood Protection	59,408	7,377	21,770	11,361	27,833	25,089	23,591	22,827	124,861	302,347
Watershed Stream Stewardship	8,133	577	3,109	599	1,301	1,610	3,554	1,973	1,826	19,573
General	18,117	2,569	6,923	2,969	2,701	2,185	2,251	2,319	12,679	45,790
TOTAL	**704,399**	**50,166**	**109,940**	**54,365**	**69,885**	**57,951**	**90,134**	**100,841**	**225,892**	**1,353,633**

WATER SUPPLY CAPITAL PROJECTS

Priority Ranking Criteria

PRIMARY OBJECTIVE Clean (50%)

Water Supply (E 2.1)

- ☐ Project maintains existing water utility infrastructure to meet the current water supply demand, comply with water quality standards or meet other regulatory requirements.
- ☐ Project enhances water utility infrastructure to meet current water supply demand and comply with water quality standards [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating
- ☐ Project positions the District to meet projected future water supply demand and projected water quality standards.

CLEANER OBJECTIVE (16.666%)

Flood Protection (E 2.2)

- ☐ YES

Mitigation (E 3.1)

- ☐ YES

Positive Interaction (E 4)

- ☐ With the Community
- ☐ With other agencies

Good Neighbor (E 4)

- ☐ Graffiti removal or Prevention Features
- ☐ Trash removal features (vortex weirs)
- ☐ Improves esthetics of project location
- ☐ Noise reduction
- ☐ Odor reduction

GREENER OBJECTIVE (16.666%)

Ecological Function (E 3.2)

- ☐ Fish Barrier Removal / Structural improvement to fish habitat
- ☐ Riparian Habitat (planting, setback or protect in place)
- ☐ SRA Plantings or Improved water temperature
- ☐ Upland Habitat Protection/Preservation
- ☐ Wetland Habitat Protection/Preservation
- ☐ Hardscape Reduction

Physical Stream Function (E 3.2)

- ☐ Holistic Watershed Approach
- ☐ Geomorphologic Design Elements
- ☐ Erosion Control
- ☐ Sediment Source Reduction

Water Quality (E 3.2)

- ☐ Storm Water Treatment (pervious pavement, green roofs, etc.)
- ☐ TMDL Improvements
- ☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)

Natural Resources Sustainability (E 3.2)

- ☐ Air Quality & Visibility Improvement
- ☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
- ☐ Renewable Energy Use
- ☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
- ☐ Recycled Water, rain water or gray water utilized
- ☐ Construction Site Waste Management
- ☐ Recycle/Re-use Solid Waste
- ☐ Reduce Solid Waste Production
- ☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3)

- ☐ Trail friendly features
- ☐ Provides/Improves Bicycle Commute Route
- ☐ Open Space Protection / Preservation

LEANER OBJECTIVE (16.666%)

Lifecycle costs are minimized

- ☐ Provides annual cost savings of more than $250,000
- ☐ Provides annual cost savings of $50,000 to $250,000
- ☐ Provides annual cost savings of less than $50,000 (reference ½ PY)

Funding Available from Other Agencies

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

FLOOD PROTECTION PROJECTS

Priority Ranking Criteria

PRIMARY OBJECTIVE Clean (50%)

Flood Protection (E 2.2)

- ☐ Project restores existing watershed infrastructure to its intended level of flood protection.
- ☐ Project improves watershed infrastructure to achieve the committed level of flood protection.
- ☐ Project improves watershed infrastructure to provide flood protection beyond the level of commitment.

CLEANER OBJECTIVE (16.666%)

Water Supply (E 2.1)

- ☐ YES

Mitigation (E 3.1)

- ☐ YES

Positive Interaction (E 4)

- ☐ With the Community
- ☐ With other agencies

Good Neighbor (E 4)

- ☐ Graffiti removal or Prevention Features
- ☐ Trash removal features (vortex weirs)
- ☐ Improves esthetics of project location
- ☐ Noise reduction
- ☐ Odor reduction

GREENER OBJECTIVE (16.666%)

Ecological Function (E 3.2)

- ☐ Fish Barrier Removal / Structural improvement to fish habitat
- ☐ Riparian Habitat (planting, setback or protect in place)
- ☐ SRA Plantings or Improved water temperature
- ☐ Upland Habitat Protection/Preservation
- ☐ Wetland Habitat Protection/Preservation
- ☐ Hardscape Reduction

Physical Stream Function (E 3.2)

- ☐ Holistic Watershed Approach
- ☐ Geomorphologic Design Elements
- ☐ Erosion Control
- ☐ Sediment Source Reduction

Water Quality (E 3.2)

- ☐ Storm Water Treatment (pervious pavement, green roofs, etc.)
- ☐ TMDL Improvements
- ☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)

Natural Resources Sustainability (E 3.2)

- ☐ Air Quality & Visibility Improvement
- ☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
- ☐ Renewable Energy Use
- ☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
- ☐ Recycled Water, rain water or gray water utilized
- ☐ Construction Site Waste Management
- ☐ Recycle/Re-use Solid Waste
- ☐ Reduce Solid Waste Production
- ☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3)

- ☐ Trail friendly features
- ☐ Provides/Improves Bicycle Commute Route
- ☐ Open Space Protection / Preservation

LEANER OBJECTIVE (16.666%)

Lifecycle costs are minimized

- ☐ Provides annual cost savings of more than $250,000
- ☐ Provides annual cost savings of $50,000 to $250,000
- ☐ Provides annual cost savings of less than $50,000 (reference ½ PY)

Funding Available from Other Agencies

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

MITIGATION PROJECTS

Priority Ranking Criteria

PRIMARY OBJECTIVE Clean (50%)

Mitigation (E 3.1)

- ☐ Project restores a dysfunctional mitigation site or feature previously constructed to fulfill mitigation commitments.
- ☐ Project creates a mitigation site or feature to meet current mitigation commitments.
- ☐ Project creates a mitigation site or feature to meet future potential mitigation banking opportunities.

CLEANER OBJECTIVE (16.666%)

Water Supply (E 2.1)

- ☐ YES

Flood Protection (E 2.2)

- ☐ YES

Mitigation (E 3.1)

- ☐ YES

Positive Interaction (E 4)

- ☐ With the Community
- ☐ With other agencies

Good Neighbor (E 4)

- ☐ Graffiti removal or Prevention Features
- ☐ Trash removal features (vortex weirs)
- ☐ Improves esthetics of project location
- ☐ Noise reduction
- ☐ Odor reduction

GREENER OBJECTIVE (16.666%)

Ecological Function (E 3.2)

- ☐ Fish Barrier Removal / Structural improvement to fish habitat
- ☐ Riparian Habitat (planting, setback or protect in place)
- ☐ SRA Plantings or Improved water temperature
- ☐ Upland Habitat Protection/Preservation
- ☐ Wetland Habitat Protection/Preservation
- ☐ Hardscape Reduction

Physical Stream Function (E 3.2)

- ☐ Holistic Watershed Approach
- ☐ Geomorphologic Design Elements
- ☐ Erosion Control
- ☐ Sediment Source Reduction

Water Quality (E 3.2)

- ☐ Storm Water Treatment (pervious pavement, green roofs, etc.)
- ☐ TMDL Improvements
- ☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)

Natural Resources Sustainability (E 3.2)

- ☐ Air Quality & Visibility Improvement
- ☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
- ☐ Renewable Energy Use
- ☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
- ☐ Recycled Water, rain water or gray water utilized
- ☐ Construction Site Waste Management
- ☐ Recycle/Re-use Solid Waste
- ☐ Reduce Solid Waste Production
- ☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3)

- ☐ Trail friendly features
- ☐ Provides/Improves Bicycle Commute Route
- ☐ Open Space Protection / Preservation

LEANER OBJECTIVE (16.666%)

Lifecycle costs are minimized

- ☐ Provides annual cost savings of more than $250,000
- ☐ Provides annual cost savings of $50,000 to $250,000
- ☐ Provides annual cost savings of less than $50,000 (reference ½ PY)

Funding Available from Other Agencies

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

ENVIRONMENTAL ENHANCEMENT PROJECTS

Priority Ranking Criteria

PRIMARY OBJECTIVE Green (50%)

Environmental Enhancement (E 3.2)

- ☐ Project restores a previously constructed environmental enhancement so that it can continue to provide the benefits for which it was created.
- ☐ Project creates environmental enhancement features to achieve current commitments.
- ☐ Project improves existing District infrastructure to provide environmental enhancements beyond the current commitment.

CLEANER OBJECTIVE (16.666%)

Water Supply (E 2.1)

- ☐ YES

Flood Protection (E 2.2)

- ☐ YES

Mitigation (E 3.1)

- ☐ YES

Positive Interaction (E 4)

- ☐ With the Community
- ☐ With other agencies

Good Neighbor (E 4)

- ☐ Graffiti removal or Prevention Features
- ☐ Trash removal features (vortex weirs)
- ☐ Improves esthetics of project location
- ☐ Noise reduction
- ☐ Odor reduction

GREENER OBJECTIVE (16.666%)

Ecological Function (E 3.2)

- ☐ Fish Barrier Removal / Structural improvement to fish habitat
- ☐ Riparian Habitat (planting, setback or protect in place)
- ☐ SRA Plantings or Improved water temperature
- ☐ Upland Habitat Protection/Preservation
- ☐ Wetland Habitat Protection/Preservation
- ☐ Hardscape Reduction

Physical Stream Function (E 3.2)

- ☐ Holistic Watershed Approach
- ☐ Geomorphologic Design Elements
- ☐ Erosion Control
- ☐ Sediment Source Reduction

Water Quality (E 3.2)

- ☐ Storm Water Treatment (pervious pavement, green roofs, etc.)
- ☐ TMDL Improvements
- ☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)

Natural Resources Sustainability (E 3.2)

- ☐ Air Quality & Visibility Improvement
- ☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
- ☐ Renewable Energy Use
- ☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
- ☐ Recycled Water, rain water or gray water utilized
- ☐ Construction Site Waste Management
- ☐ Recycle/Re-use Solid Waste
- ☐ Reduce Solid Waste Production
- ☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3)

- ☐ Trail friendly features
- ☐ Provides/Improves Bicycle Commute Route
- ☐ Open Space Protection / Preservation

LEANER OBJECTIVE (16.666%)

Lifecycle costs are minimized

- ☐ Provides annual cost savings of more than $250,000
- ☐ Provides annual cost savings of $50,000 to $250,000
- ☐ Provides annual cost savings of less than $50,000 (reference ½ PY)

Funding Available from Other Agencies

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

BUILDING & GROUNDS PROJECTS

Priority Ranking Criteria

PRIMARY OBJECTIVE Clean (50%)

Buildings and Grounds (EL 3.4)

- ☐ Project maintains existing building infrastructure to provide continuous use of existing buildings and/or to comply with employer safety standards.
- ☐ Project enhances building infrastructure to address treatment of staff issues.
- ☐ Project positions the District to meet projected future space needs.

CLEANER OBJECTIVE (16.666%)

Water Supply (E 2.1)

- ☐ YES

Flood Protection (E 2.2)

- ☐ YES

Mitigation (E 3.1)

- ☐ YES

Positive Interaction (E 4)

- ☐ With the Community
- ☐ With other agencies

Good Neighbor (E 4)

- ☐ Graffiti removal or Prevention Features
- ☐ Trash removal features (vortex weirs)
- ☐ Improves esthetics of project location
- ☐ Noise reduction
- ☐ Odor reduction

GREENER OBJECTIVE (16.666%)

Ecological Function (E 3.2)

- ☐ Fish Barrier Removal / Structural improvement to fish habitat
- ☐ Riparian Habitat (planting, setback or protect in place)
- ☐ SRA Plantings or Improved water temperature
- ☐ Upland Habitat Protection/Preservation
- ☐ Wetland Habitat Protection/Preservation
- ☐ Hardscape Reduction

Physical Stream Function (E 3.2)

- ☐ Holistic Watershed Approach
- ☐ Geomorphologic Design Elements
- ☐ Erosion Control
- ☐ Sediment Source Reduction

Water Quality (E 3.2)

- ☐ Storm Water Treatment (pervious pavement, green roofs, etc.)
- ☐ TMDL Improvements
- ☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)

Natural Resources Sustainability (E 3.2)

- ☐ Air Quality & Visibility Improvement
- ☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
- ☐ Renewable Energy Use
- ☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
- ☐ Recycled Water, rain water or gray water utilized
- ☐ Construction Site Waste Management
- ☐ Recycle/Re-use Solid Waste
- ☐ Reduce Solid Waste Production
- ☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3)

- ☐ Trail friendly features
- ☐ Provides/Improves Bicycle Commute Route
- ☐ Open Space Protection / Preservation

LEANER OBJECTIVE (16.666%)

Lifecycle costs are minimized

- ☐ Provides annual cost savings of more than $250,000
- ☐ Provides annual cost savings of $50,000 to $250,000
- ☐ Provides annual cost savings of less than $50,000 (reference ½ PY)

Funding Available from Other Agencies

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

INFORMATION TECHNOLOGY PROJECTS

Priority Ranking Criteria

PRIMARY OBJECTIVE Clean (50%)

Information Technology (EL 7.5)

- ☐ Project maintains existing mission critical software systems and/or IT infrastructure to improve reliability for business continuity.
- ☐ Project enhances mission critical software systems and/or IT infrastructure to improve user functionality.
- ☐ Project enhances mission critical software systems and/or IT infrastructure to meet projected future needs.

CLEANER OBJECTIVE (16.666%)

Water Supply (E 2.1)

- ☐ YES

Flood Protection (E 2.2)

- ☐ YES

Mitigation (E 3.1)

- ☐ YES

Positive Interaction (E 4)

- ☐ With the Community
- ☐ With other agencies

Good Neighbor (E 4)

- ☐ Graffiti removal or Prevention Features
- ☐ Trash removal features (vortex weirs)
- ☐ Improves esthetics of project location
- ☐ Noise reduction
- ☐ Odor reduction

GREENER OBJECTIVE (16.666%)

Ecological Function (E 3.2)

- ☐ Fish Barrier Removal / Structural improvement to fish habitat
- ☐ Riparian Habitat (planting, setback or protect in place)
- ☐ SRA Plantings or Improved water temperature
- ☐ Upland Habitat Protection/Preservation
- ☐ Wetland Habitat Protection/Preservation
- ☐ Hardscape Reduction

Physical Stream Function (E 3.2)

- ☐ Holistic Watershed Approach
- ☐ Geomorphologic Design Elements
- ☐ Erosion Control
- ☐ Sediment Source Reduction

Water Quality (E 3.2)

- ☐ Storm Water Treatment (pervious pavement, green roofs, etc.)
- ☐ TMDL Improvements
- ☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)

Natural Resources Sustainability (E 3.2)

- ☐ Air Quality & Visibility Improvement
- ☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
- ☐ Renewable Energy Use
- ☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
- ☐ Recycled Water, rain water or gray water utilized
- ☐ Construction Site Waste Management
- ☐ Recycle/Re-use Solid Waste
- ☐ Reduce Solid Waste Production
- ☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3)

- ☐ Trail friendly features
- ☐ Provides/Improves Bicycle Commute Route
- ☐ Open Space Protection / Preservation

LEANER OBJECTIVE (16.666%)

Lifecycle costs are minimized

- ☐ Provides annual cost savings of more than $250,000
- ☐ Provides annual cost savings of $50,000 to $250,000
- ☐ Provides annual cost savings of less than $50,000 (reference ½ PY)

Funding Available from Other Agencies

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

APPENDIX B - PROJECT LIST BY PRIORITY

Water Supply Capital Projects in Order of Priority

Board Approved	Approval Pending	FUNDED
•		STWTP Improvement, Stage 2
•		RWTP Improvement, Stage 2
•		PWTP Improvement, Stage 2
	•	San Luis Reservoir Low Point Improvement (Planning Phase)
•		Almaden Campus Water Quality Laboratory
•		Dam Instrumentation (an element of Dam Safety Program)
•		Lenihan Dam Outlet Modifications
	•	RWTP Backup Generator Modifications
	•	Alamitos Diversion Dam Improvements
	•	Coyote Diversion Dam Improvements
	•	Kirk Diversion Dam Improvements
	•	PWTP Washwater Clarification Facility
	•	PWTP Backup Generator Replacement
	•	STWTP Incompatible Materials
	•	Pacheco Pumping Plant ASD Replacement
	•	PWTP Backwash Pump Replacement
	•	PWTP Maintenance Building
	•	Water Infrastructure Reliability Program (Program Development and Phase 1 - Implementation)
	•	Water Treatment Plants Security Improvement
	•	Pacheco Fiber Optic Cable Replacement
•		Santa Clara Tunnel Landslide Repair
	•	RWTP BL-1 Valve, Vault & Controls
	•	RWTP Control System Trunk Cable Upgrade
	•	Pacheco Pumping Plant Regulating Tank Recoating (Planning Phase)
	•	Recycled Water Advanced Treatment Facility (Planning & Design Phase)
•		San Tomas Well Field
	•	Water Treatment Plants SCADA Upgrades
	•	Stevens Creek Diversion (Planning Phase)
	•	Almaden Dam Outlet Works Improvements
•		San Francisco Water Department Intertie
	•	Page Desilting System Improvements
•		Raw Water Control System
	•	RWTP Chemical Storage (seismic upgrade of area)
	•	Central Pipeline Rehabilitation (Planning Phase)
	•	PWTP Chemical System Upgrade
	•	RWTP Chemical System Upgrade
	•	Santa Clara Valley Recharge Ponds
	•	Calero/Fellows Dike Improvements
	•	Water Treatment Plants SCADA Security

Water Supply Capital Projects in Order of Priority (cont'd)

Board Approved	Approval Pending	FUNDED
	•	Water Efficient Demonstration Gardens
•		Recycled Water South County System Improvements
•		Recycled Water South County Masterplan Implementation (Immediate Term)

Board Approved	Approval Pending	NOT FUNDED
	•	Church Avenue Diversion Installation
	•	Almaden-Calero Canal Rehabilitation
	•	South County Recharge Ponds Installation
	•	RWTP Waste Stream Separation Modification
	•	Vasona Canal Improvement
	•	Anderson Reservoir Bank Erosion Repair
	•	Calero Dam Outlet Works Rehabilitation
	•	Guadalupe Dam Outlet Works Rehabilitation
	•	Coyote Pumping Plant Adjustable Speed Drive Replacement
	•	Treatment Plant Electrical and Control Systems Improvements
	•	Kirk Diversion Fish Screen Installation
	•	Penitencia Ponds Fish Screen Modifications
	•	RWTP Valve and Valve Actuator Upgrades
	•	Valve 906 Low Flow Bypass Installation
	•	Milpitas Pipeline Terminus Valve & Vault Installation
	•	Santa Clara Tunnel Leakage and Pacheco Conduit Dewater Repairs
	•	Vasona Pumping Plant Electrical Upgrade
	•	San Felipe Pipeline Upgrades
	•	Guadalupe Pipeline Meter Installation
	•	Kirk Ditch Improvement
	•	Treatment Plant Filter Backwash Aid Installation
	•	STWTP Local Filter Backwash Control Upgrade
	•	Vasona Pumping Station Chemical Feed Installation
	•	South County Pipeline Right of Way Acquisition

APPENDIX B - PROJECT LIST BY PRIORITY

Flood Protection Capital Projects in Order of Priority

Board Approved	Approval Pending	FUNDED
	•	Berryessa Creek, Lwr Penitencia Ck to Calaveras Blvd
•		Guadalupe River, Lwr, Alviso Marina to I-880
•		Coyote Creek, Montague Expy to I-280
•		Matadero/Barron Creek Remediation, Palo Alto Flood Basin to Alma St
	•	Calabazas Creek, Capacity Improvement
•		Guadalupe River, DT, I-880 to I-280
•		Guadalupe River, Upr, I-280 to Blossom Hill Rd
•		San Francisquito Creek, SF Bay through Searsville Dam (Planning and Design Phase)
•		Llagas Creek, Upr, Buena Vista Rd to Wright Ave
	•	Upr Penitencia Creek, Coyote Ck to Dorel Dr (Planning Phase)
•		Lower Silver Creek, Coyote Ck to I-680
•		Permanente Creek, SF Bay to Foothill Expy
•		Berryessa Creek, Calaveras Blvd to Old Piedmont Rd
•		Sunnyvale East Channel, Guadalupe Slough to I-280
•		Calabazas Creek, Miller Ave to Wardell Rd
	•	San Francisco Bay Shoreline (Planning Phase)
•		San Thomas Creek, Quito Road Bridges Replacement
	•	Babb/Piedmont/Los Coches Creeks
•		Adobe Creek, El Camino to Rhus Ridge
	•	Thompson Creek Stream Stabilization, Quimby Rd to Aborn Rd
•		Sunnyvale West Channel, Guadalupe Slough to Hwy 101
•		Calabazas Creek, Bollinger Bridge

Board Approved	Approval Pending	NOT FUNDED
	•	Lower Llagas Capacity Restoration, Hwy 152 to Pajaro Rv
	•	Lower Silver Creek, I-680 to Cunningham Ave & Lake Cunningham Improvements
	•	Calabazas Creek, Wardell to Comer Debris Basin
	•	Coyote Creek Over Flow Channel Restoration, Montague Expressway

APPENDIX B - PROJECT LIST BY PRIORITY

Mitigation Capital Projects in Order of Priority

Board Approved	Approval Pending	FUNDED
•		SMP Mitigation, Coyote Parkway Freshwater Wetland
•		SMP Mitigation, Pajaro Basin Freshwater Wetland
•		SMP Mitigation, Carnadero Preserve
•		WTIP Mitigation, Landscape & Site Improvements at STWTP
•		WTIP Mitigation, Landscape & Site Improvements at PWTP
•		SMP Mitigation, Coyote Quarry Pond Freshwater Wetland
•		Santa Clara Tunnel Landslide Mitigation (ESA)
•		WTIP Mitigation, Landscape & Site Improvements at RWTP
•		SMP Mitigation, Stream and Watershed Land Preservation

Environmental Enhancement Capital Projects in order of Priority

Board Approved	Approval Pending	FUNDED
	•	EEP Upr Pajaro Watershed Vegetative Buffer Strips
	•	EEP Stevens Creek Corridor Restoration, Blackberry Farms
	•	EEP Soap Lake Floodplain Property Acquisition
	•	Alviso Slough Restoration
	•	FAHCE, Stevens Creek Fish Ladder at Evelyn Ave
	•	FAHCE, Stevens Creek Fish Ladder at Fremont Ave
	•	FAHCE, Stevens Creek Fish Ladder at Moffett Ave
	•	FAHCE, Stevens Creek Dam Portable Multi-port Outlet
	•	NRDA Enhancement, Jacques Gulch Restoration
	•	Gold Street Educational Center (Planning Phase)

APPENDIX B - PROJECT LIST BY PRIORITY

Buildings and Grounds Capital Projects in Order of Priority

Board Approved	Approval Pending	FUNDED
	•	Almaden Campus Data Center Upgrade
	•	Almaden Campus Adminstration Building Seismic Retrofit
	•	Almaden & Winfield Campus Small Capital Improvements
	•	Almaden & Winfield Campus Program (Program Development)
	•	Telephones at Treatment Plants & Vasona

Board Approved	Approval Pending	NOT FUNDED
	•	Almaden & Winfield Campus - Maintenance Building Replacement
	•	Almaden & Winfield Campus Corporation Yard Improvement

Information Technology Capital Projects in Order of Priority

Board Approved	Approval Pending	FUNDED
	•	ISMP, Water Resources Information System
•		ISMP, Enterprise Resource Planning System
	•	ISMP, Infrastructure Upgrade
	•	ISMP, Computerized Maintenance Management System
	•	PeopleSoft System Upgrade

Board Approved	Approval Pending	NOT FUNDED
	•	ISMP, Electronic Document Managment System Implementation

APPENDIX C - DISTRICT PARTNERSHIP SUMMARY

Partnership Reimbursements are funds that are reimbursed by the District's partners after the District advances the needed funds. The follwing table identifies capital projects that are funded cooperatively with the District's partners through reimbursements.

Partnership Reimbursement

Project #	Project Name	Amount ($K)	Partnering Agency
91214007	San Luis Reservoir Low Point Improvement	$14,039	Department of Water Resources
91214007	San Luis Reservoir Low Point Improvement	$46	U.S. Bureau of Reclamation
91124001	San Tomas Well Field	$4,500	City of Campbell Redevelopment Agency
30154013S	Gudadlupe River–Downtown, Interstate 880 to Interstate 280	$9,904	San Jose Redevelopment Agency
30154013S	Gudadlupe River–Downtown, Interstate 880 to Interstate 280	$6,773	City of San Jose
30154013S	Gudadlupe River–Downtown, Interstate 880 to Interstate 280	$3,801	State Subventions Received
26154001	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	$3,600	City of San Jose
40264001	Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)	$1,119	State Subventions Received
40264001	Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)	$165	Natural Resource Conservation Service
26174051	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	$340	City of Morgan Hill
91854002	NRDA Enhancement, Jacques Gulch Restoration	$63	Guadalupe Rubbish Disposal
26074001	EEP Upper Pajaro Watershed Vegetative Buffer Strips	$238	SWRCB Non-Point Source Grant
91154006	Water Efficient Demonstration Gardens	$146	Department of Water Resources
	TOTAL:	$44,734	

APPENDIX C - DISTRICT PARTNERSHIP SUMMARY

Partnership Funding is funds that are made available by the District's partners, when needed. The following table identifies capital projects that receive partnership funding. This may occur through either cost sharing agreements or as in-kind services.

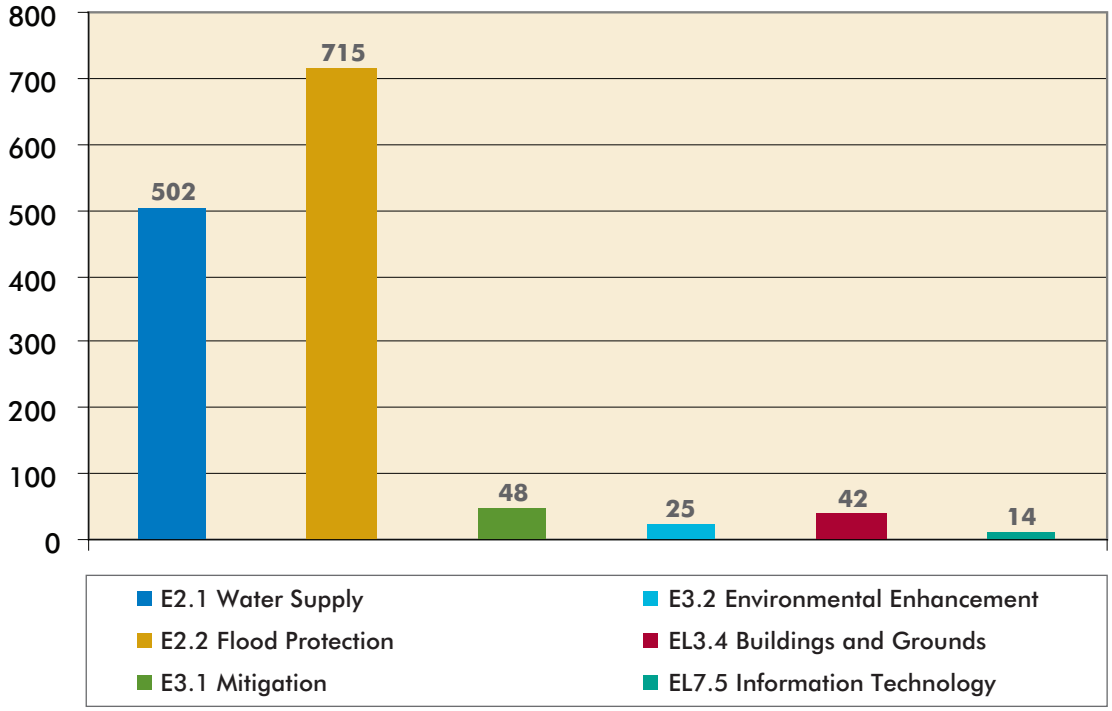
Partnership Funding

Project #	Project Name	Amount ($K)	Partnering Agency
91214007	San Luis Reservoir Low Point Improvement	$2,000	U.S. Bureau of Reclamation
94194001	San Francisco Water Department Intertie	$3,600	San Francisco Water Department
10284007S	San Francisquito Creek, San Francisco Bay through Searsville Dam	$3,000	U.S. Army Corps of Engineers
10284007S	San Francisquito Creek, San Francisco Bay through Searsville Dam	$1,500	County of San Mateo
20194005	San Tomas Creek, Quito Road Bridges Replacement	$156	City of Saratoga
20194005	San Tomas Creek, Quito Road Bridges Replacement	$156	Town of Los Gatos
20194005	San Tomas Creek, Quito Road Bridges Replacement	$1,868	Caltrans
30154013S	Gudadlupe River–Downtown, Interstate 880 to Interstate 280	$158,000	U.S. Army Corps of Engineers
26154001	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	$40,200	U.S. Army Corps of Engineers
26174041	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	$19,000	U.S. Army Corps of Engineers
62214001	Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	$4,186	U.S. Army Corps of Engineers
40324003	Upper Penitencia Creek, Coyote Creek to Dorel Drive	$2,790	U.S. Army Corps of Engineers
26174051	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	$45,000	State Subventions
26174051	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	$66,000	U.S. Army Corps of Engineers
91854002	NRDA Enhancement, Jacques Gulch Restoration	$4,000	County of Santa Clara
	TOTAL:	$351,456	

APPENDIX D - SUMMARY OF CAPITAL EXPENDITURES

Expenditure Schedule by Type of Improvement ($K)

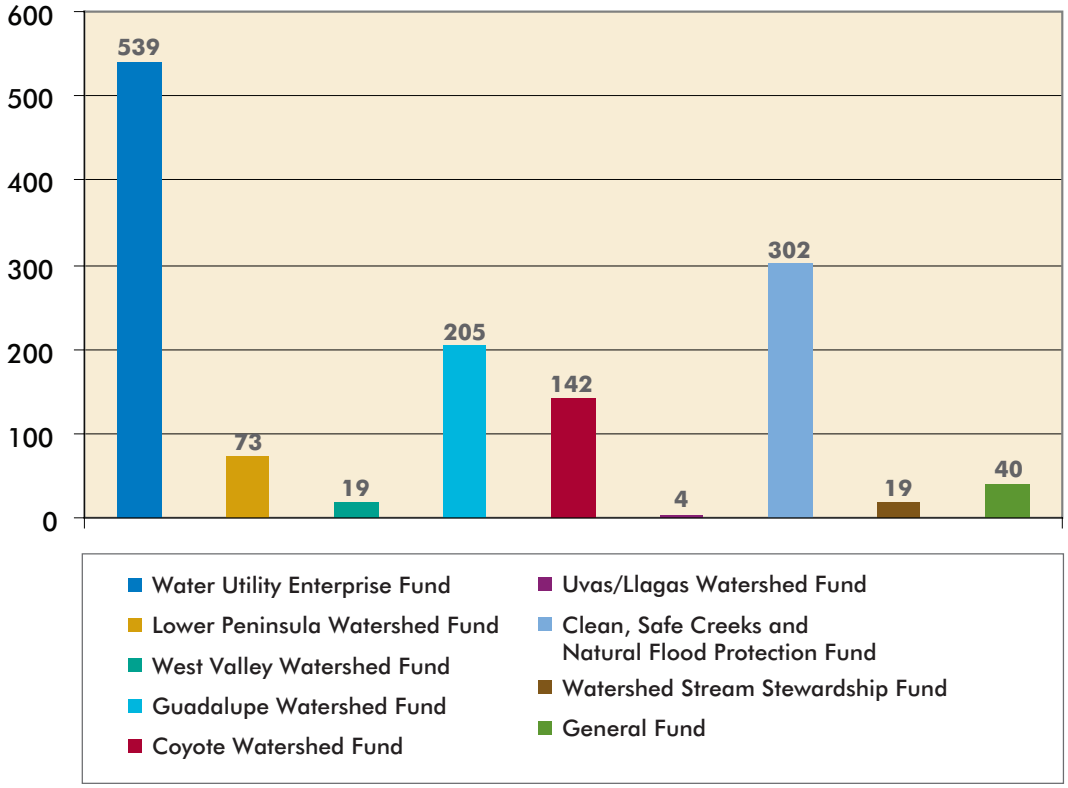
	Thru FY05 (Actuals)	FY06	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
E2.1 Water Supply	191,125	29,484	61,617	27,321	21,609	47,710	62,561	60,173	501,600
E2.2 Flood Protection	338,667	43,862	38,951	55,702	33,611	38,314	27,794	137,646	714,547
E3.1 Mitigation	8,428	9,112	12,102	3,568	2,578	2,895	5,165	3,676	47,524
E3.2 Environmental Enhancement	296	3,105	1,648	1,316	3,473	416	3,030	11,718	25,002
EL3.4 Buildings and Grounds	9,261	3,000	3,517	6,047	2,513	2,251	2,319	12,679	41,587
EL7.5 Information Technology	7,663	623	3,028	2,357	0	0	0	0	13,671
Total	**555,440**	**89,186**	**120,863**	**96,311**	**63,784**	**91,586**	**100,869**	**225,892**	**1,343,931**



APPENDIX D - SUMMARY OF CAPITAL EXPENDITURES

Expenditure Schedule by Fund ($K)

	Thru FY05 (Actuals)	FY06	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total
Water Utility Enterprise Fund	195,414	33,819	68,633	31,506	24,972	47,901	65,414	71,488	539,147
Lower Peninsula Watershed Fund	49,483	7,076	3,746	5,775	1,464	5,205	356	221	73,327
West Valley Watershed Fund	2,691	3,264	6,426	3,187	1,020	684	936	520	18,728
Guadalupe Watershed Fund	172,837	17,912	5,257	3,515	1,657	1,857	1,133	630	204,798
Coyote Watershed Fund	90,144	6,090	9,659	6,146	3,739	6,551	5,812	13,631	141,772
Uvas/Llagas Watershed Fund	898	616	1,379	565	99	94	98	141	3,889
Clean, Safe Creeks and Natural Flood Protection Fund	28,618	16,397	20,240	40,723	25,088	23,590	22,827	124,862	302,345
Watershed Stream Stewardship Fund	4,005	1,597	1,671	1,443	3,506	3,554	1,973	1,720	19,468
General Fund	11,349	2,415	4,451	2,808	2,185	2,251	2,319	12,679	40,457
Total	**555,440**	**89,186**	**121,461**	**95,667**	**63,729**	**91,687**	**100,869**	**225,892**	**1,343,931**



APPENDIX E - GLOSSARY

Ad Valorem Tax
A tax based on value (e.g., a property tax).

Appropriation
An appropriation is a legal authorization grated by the Santa Clara County Board of Supervisors which allows the District to expend cash and incur obligations for specific purposes. An appropriation is usually limited in amount and the time it may be expended.

Assessment
The process of setting the official valuation of property for taxation; the valuation placed upon property as a result of this process.

Asset
A probable future economic benefit obtained or controlled by a particular entity as a result of past transactions or events. Examples of assets are cash, receivables, and equipment.

Benefit Assessment
Determination of the benefits derived from District activities within particular watersheds and levying a proportionate share of taxes to each parcel subject to voter-approved limitations.

Bonds
Bonds are a long-term source of debt that provides a source of borrowed monies that can be used to pay for specific capital facilities. Bonds are a written promise to pay a specified sum of money at a predetermined date or dates in the future, called the maturity date(s), together with periodic interest at a specific rate.

Capital Expenditure
Capital expenditures fall into several categories. In general, they should create assets or extend the useful lives of existing assets. The work product results in a long-term benefit greater than two years and for budgeting purposes involved a major expenditure of district resources greater than $50,000. They can be made with regard to tangible and intangible assets. The general categories of capital expenditures are: rehabilitation, major repairs, improvements/ betterments/ upgrades, replacements, expansions/ additions, and ancillary expenditures.

Capital Projects
Projects are budgeted within the Capital budget and fall within the definition of Capital Expenditures; which means they (1) create or extend the life of an asset, (2) their work products have a useful life of greater than two years, and (3) they involve an expenditure of District resources in excess of $50,000.

Certificates of Participation (COPs)
A security in the general form of a bond, which evidences a proportionate participation in a flow of lease or other payments between two parties

CEQA
California Environmental Quality Act

CIP
Capital Improvement Plan

Cost Center
Cost Centers are separate financial accounting centers in which costs are accumulated because of legal and accounting requirements, the first two digits of a project number identifies the cost center.

DWR
State Department of Water Resources

EIR
Environmental Impact Report

Encumbrances
Commitments related to unperformed (executory) contracts for goods or services. Encumbrances represent the estimated amount of expenditures that will result if unperformed contracts in process are completed.

APPENDIX E - GLOSSARY

Enterprise Fund
Enterprise Funds are used to account for operations including debt service (a) that are financed and operated in a manner similar to private business, where the intent of the government body is that the costs (expenses, including depreciation) of providing goods or services to the general public on a accounting basis is financed or recovered primarily though user charges; or (b) where the governing body has determined that periodic determination of revenues earned, expenses incurred, and/or net income is appropriate for capital maintenance, public policy, management control accountability, or other purposes.

Expenditure/Expense
Decreases in net financial resources. Expenditures include current operating expenses requiring the present or future of net current assets, debt service and capital outlays, and intergovernmental grants, entitlements, and shared revenues. The major expenditure categories used by the District are labor and overhead, land and structures, equipment, and debt service.

Facility
Defined as a creek, reservoir, dam, water treatment plant, pipeline, canal, etc.

Fixed Assets
Fixed Assets are defined as long-lived tangible assets such as automobiles, computers and software, furniture, communications equipment, hydrologic equipment, office equipment, and other equipment, with a value of $2,000 or more, or the combined value of like ore related units (aggregate value) is greater than $5,000 if the unit value is less than $2,000.

Fiscal Year
A 12-month period to which the annual operating budget applies and at the end of which a government determines its financial position and the results of its operations. The District's fiscal year is July 1 through June 30.

Fund
A fiscal and accounting entity with a self-balancing set of accounts in which cash and other financial resources, all related liabilities and residual equities, or balances, and changes therein, are recorded and segregated to carry on specific activities or attain certain objectives in accordance with special regulations, restrictions or limitations.

General Fund
A fund used to account for major operating revenues and expenditures, except for those financial transactions that are required to be accounted for in another fund. General Fund revenues are derived primarily from property and other taxes.

Grants
Contributions or gifts of cash or other assets from another government entity to be used or expended for a specified purpose, activity, or facility.

Levy
(1. Verb) To impose taxes, special assessments, or service charges for the support of government activities; (2. Noun) The total amount of taxes, special assessments, or service charges imposed by a government agency.

Long-Term Debt
Debt with a maturity date of more than one year after the date of issuance.

One Percent Flood or 100 Year Flood
Has a 1% chance of occuring in a given year. Water District projects are usually designed for the 1% flood, a national standard established by the Federal Emergency Management Agency (FEMA).

Operating Expenditure
Operating expenditures are system costs required for the daily process of providing water and watershed management services, including the administrative and overhead costs to support these services.

Operating expenditures are costs necessary to maintain the systems in good operating condition. This includes the repair and replacement of minor property components. The American Waterworks Association (AWWA) says that these priority components should be smaller than a retirement unit; a retirement unit is a readily separable and separately useful item that is part of a larger assembly. The benefit and life of such repairs should be less than two years. Any repairs that recur on an annual basis are considered operating activities of a maintenance nature.

Operating expenditures are often separated into fixed and variable costs for purposes of under standing operating leverage and structuring service charge rates.

Operations

Expenditures required for the daily process of providing water and watershed management services, including the administrative and overhead costs to support these services. Operations include work that is generally of an ongoing or recurring nature. Any District work that is not a project is, be definition, an Operation. Operations, although recurring, require close coordination and a high degree of management oversight; however, they can be accomplished without the application of the full range of tools and processes used for managing projects.

Projects

At the Santa Clara Valley Water District, a project is any undertaking which has (1) a beginning and an ending, (2) a one-time occurrence. Projects can require expenditure of capital or operating funds and, at the District, are called Capital or Operating Projects, accordingly. Project usually, but no always, relate to a District facility or facilities (a creek, a reservoir, a dam, a water treatment plant, a pipeline,, etc.). Projects may include studies, design, construction, maintenance, or implementation of systems such as Records Management or Financial Management System.

Revenue

Monies the District receives in exchange for services or sales provided. Revenue items include water sales, property tax revenues, benefit assessment revenues, interest income, intergovernmental reimbursement, and other.

Revenue Bonds

Bonds, whose principal and interest are payable exclusively from earnings of an enterprise fund. In addition to a pledge of revenues, such bonds sometimes contain a mortgage on the enterprise fund's property.

Reserve

An account used to indicate that a portion of a fund's assets are legally restricted for a specific purpose and is, therefore, not available for general appropriation.